

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(Other instructions on reverse side)

CONFIDENTIAL

Lease Location and Serial No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. If Indian, Allottee or Tribe Name

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

Cornaby

2. Name of Operator

Pennzoil Exploration and Production Company

9. Well No.

3-14A2

3. Address of Operator

P.O. Box 290; Neola, Utah 84053

JAN 17 1991

10. Field and Pool, or Wildcat

Bluebell-Green River 065

4. Location of Well (Report location clearly and in accordance with any State requirements.)

At surface

1157' FNL & 660' FEL (NE NE)

DIVISION OF OIL, GAS & MINING

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 14, T1S, R2W

At proposed prod. zone

same

14. Distance in miles and direction from nearest town or post office*

2.2 mi. South and 2.1 mi. West from Neola, Utah

12. County or Parrish

Duchesne

13. State

Utah

15. Distance from proposed* location to nearest property or lease line, ft.

(Also to nearest drig. line, if any)

660' FEL

16. No. of acres in lease

640 ac.

17. No. of acres assigned to this well

640 ac.

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

4236' Wasatch

19. Proposed depth

11,300' GRR

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

Ungraded Ground: 5684'

22. Approx. date work will start*

Feb. 1, 1990

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12 1/4"	9 5/8"	36#	3500'	2200 cu.ft.
8 3/4"	7"	23#/26#/29#	11,300'	2210 cu.ft.

- Enclosed attached:
 - Certified Location Plat
 - Drilling Plan
 - BOP Schematic
 - Map showing roadway to well site
 - Schematic of rig layout on location Surface
- Water permit will secured prior to spud.
- An AFE has been prepared and copies have been sent to joint interest holders for their approval.

TECHNICAL REVIEW

Engr. MM 1-31-91
 Geol. JA 1/30/91
BA 1/28/91

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Danny L. Laman Office: (801) 353-4397 Home: (801) 789-7033

Signed

Danny L. Laman

Title

Drilling Foreman

Date

1-15-91

(This space for Federal or State office use)

API

Permit No.

43-013-31099

Approval Date

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

Approved by

Title

Conditions of approval, if any:

DATE: 1-31-91

BY: JM Matthews

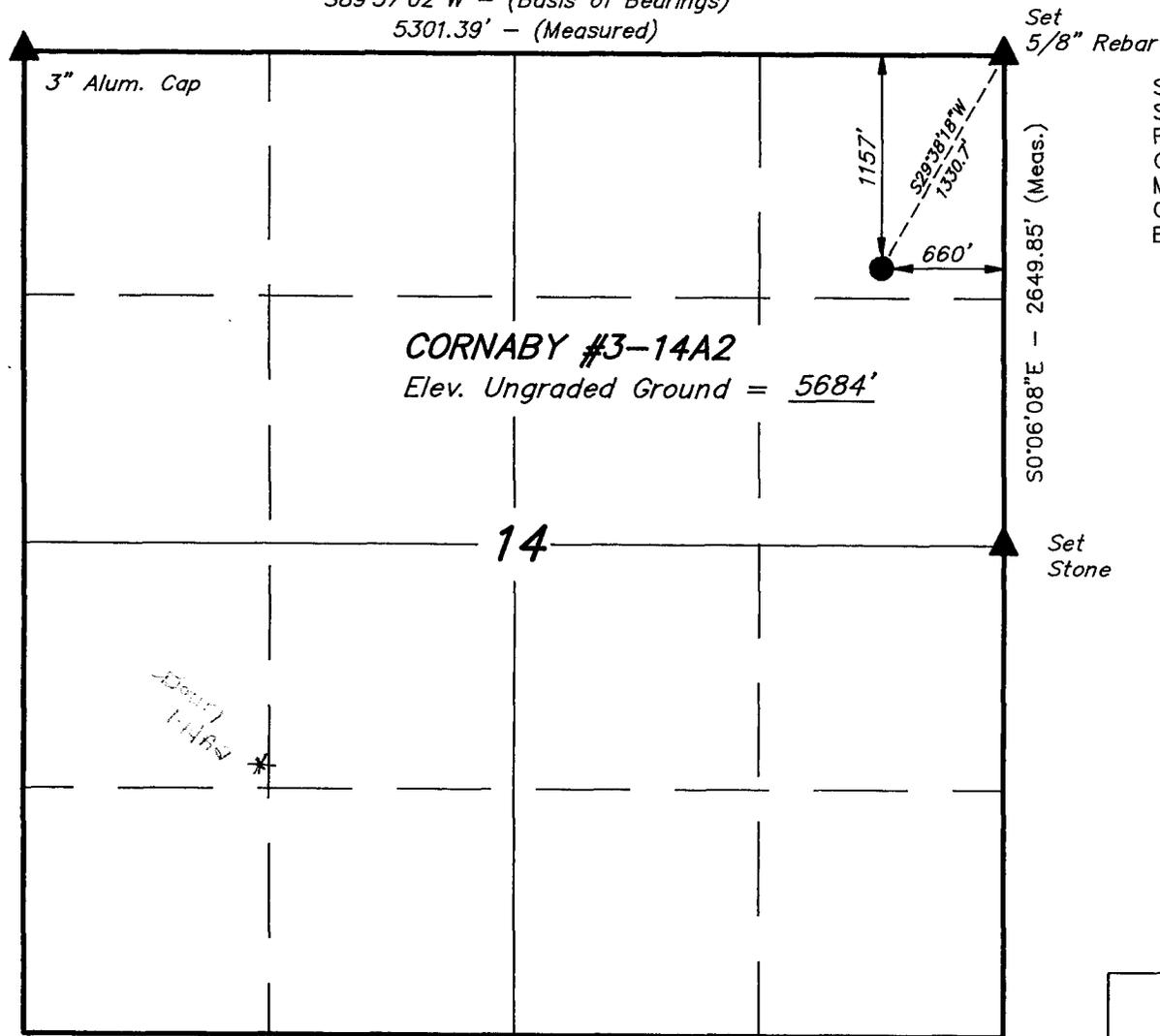
WELL SPACING: 139-42

**PENNZOIL EXPLORATION
& PRODUCTION COMPANY**

Well location, CORNABY #3-14A2, located as shown in the NE 1/4 NE 1/4 of Section 14, T1S, R2W, U.S.B.&M. Duchesne County, Utah.

T1S, R2W, U.S.B.&M.

S89°57'02"W - (Basis of Bearings)
5301.39' - (Measured)



BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 14, T1S, R2W, U.S.B.&M. TAKEN FROM THE NEOLA QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5713 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Kay
REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST (801) 789-1017
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 12-31-90
PARTY D.A. R.A. T.D.H.	REFERENCES SUBDIVISION PLAT
WEATHER COLD	FILE PENNZOIL EXPLR. & PROD. CO.

▲ = SECTION CORNERS LOCATED.

DRILLING PLAN

OPERATOR: PENNZOIL EXPLORATION & PRODUCTION COMPANY
WELL: Cornaby 3-14A2
WELL LOCATION: 1157 FNL & 660' FEL
NENE SEC. 14 T1S R2W
DUCHESNE COUNTY, UTAH

1&2. ESTIMATED TOPS AND IMPORTANT GEOLOGICAL FORMATIONS:

Duchesne River	at surface (surface formation)
Uinta	near the surface
Green River	6429
Mahogany Bench	8404
Green River Tgr-3	9644
Green River HI	9784
Green River CP-70	10434
Green River TU-2	10779
Total Depth	11300

3. ESTIMATED OIL AND WATER DEPTHS:

Water	NONE ANTICIPATED
Top of Green River	Oil @ 9784+-
Green River CP-70	Oil @ 10434+-
Green River TU-2	Oil @ 10779+-

4. HOLE SIZE, CASING, AND CEMENT PROGRAM:

- a. CONDUCTOR HOLE: 0 - 60'+
 - a. Drill a 26" hole to 60' with rat hole machine.
 - b. Set 14" conductor pipe.
 - c. Cement with ready mix concrete at six bags per yard.

- b. SURFACE HOLE: 60' - 3500':
 - a. Drill a 12 1/4" hole to 3500'.
 - b. Set 3500' of 9 5/8" 36# S-80 STC.
 - c. Cement: Low density filler to surface,
Tail-in with 200 sacks Class "G".

- c. PRODUCTION HOLE: 3500' - 11,300'
 - a. Drill a 8 3/4" hole to 11,300'
 - b. Set 11,300' of 7" 23#/26#/29# N-80/S-95
 - c. Cement: Low density filler from surface to 6000
Tail-in from 8700 to 6000' with a 50/50
Poz "G", tailored for depth and temp.
 - d. DVT at apprx. 8400'. Cement with class 'G'
11,300' to 8400' tailored for depth and temp.

5. PROPOSED DRILLING FLUID PROGRAM:

- a. Surface Hole: Spud with a gelled fresh water with a 36 viscosity to 300'. Then continue drilling through the reserve pit with fresh water, using lime and flocculent to keep water clean.

Should a water flow be encountered, it will be contained and drilling will resume.

- b. Production hole: Start drilling this interval with fresh water circulating the reserve pit. Use viscous sweeps to keep the wellbore clean and a flocculent to keep the water clean.

Should well bore condition dictate, mud up will be with a low solid, non-dispersed mud using barite for weight material.

Final fluid properties: 9.5 ppg. \pm

6. OPERATOR'S PRESSURE CONTROL PLAN:

Figure no. 1 is a schematic of minimum BOP equipment.

The BOP equipment will be nipped up on the surface casing and pressure tested prior to drilling out:

- a. All rams and choke manifold will be tested to 5000 psi.
- b. Bag preventor will be tested to 50% of its rated working pressure.
- c. All casing strings will be tested to 1500 psi. or 0.2 psi/ft per depth, whichever is greater.
- d. Record all BOP test on tour reports.
- e. Retest BOP stack every 28 days.
- f. Fill up line above the bag preventer.
- g. Kill line located below the BOP rams.

Operational Checks:

- a. Pipe rams will be closed and opened once each 24 hours.
- b. Blind rams will be closed and opened each time the drill string is pulled from the well bore.

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- a. Upper and lower kelly cocks will be utilized.
- b. A full opening drill pipe stabbing valve.
- c. Visual inspection will be used to monitor the mud system.

8. WELL BORE EVALUATION:

- a. CORING One possible
- b. DRILL STEM TESTING One possible
- c. LOGS: Surface hole None
Production hole Dual Induction Lateral
Gamma Ray
Formation Density
BHC-Sonic Micro-SFL
Four Arm Caliper
- d. COMPLETION: The objective formation is one of the oil zones in the Lower Green River. Selected intervals will then be perforated and evaluated for stimulation work.

9. PRESSURE AND TEMPERATURES:

- a. No abnormal pressure or temperature have been noticed or reported in wells drilled in this area.
- b. Estimated bottom hole temperatures : 220 degrees
- c. Estimated bottom hole pressure: 5650 psi

10. ANTICIPATED STARTING DATE:

- a. Construction will probably start within 10 days of permit approval.
- b. The well will probably be spudded within 5 days of well site completion.

11. OTHER INFORMATION:

- a. Topography: Fenced, hilly and rocky
- b. Soil Characteristics: Bentonitic clays and rocks
- c. Flora: Pasture grasses and Russian Olive
- d. Fauna: Domestic - cattle
Wildlife - Deer, Grouse, Rodents
- e. Surface Use: Grazing
- f. Surface Owner: Richard Cornaby (801) 353-4486
- g. Archeological or Historical Sites: None

12. LEASEE'S OR OPERATOR'S REPRESENTATIVE:

George P. SanFilippo, Vice President of Western Operations
Danny L. Laman, Drilling Foreman (801) 353-4397

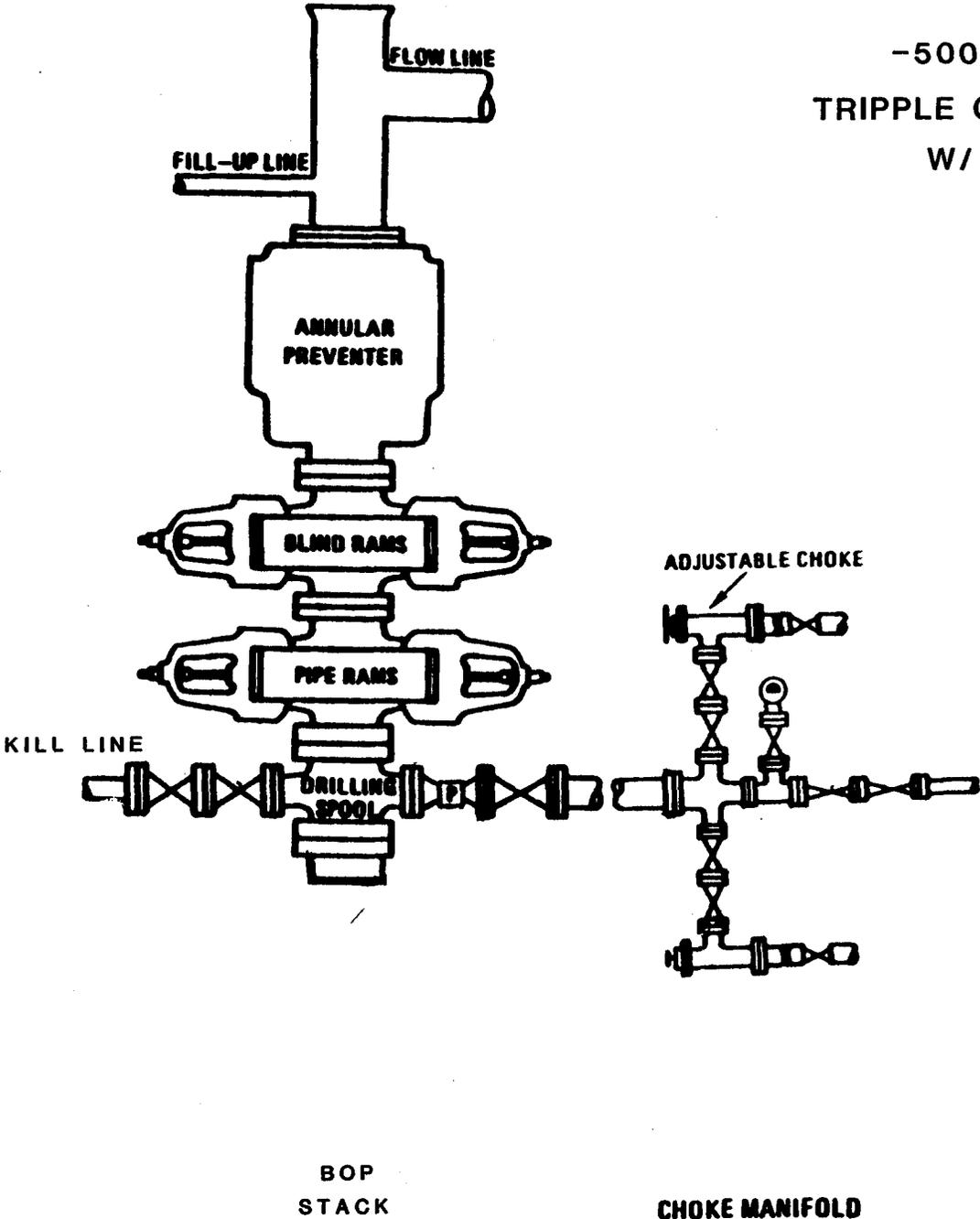
- 13. This well will be drill per regulations as set forth by the State of Utah Natural Resource Oil, Gas, & Mining Division.

BOP SCHEMATIC

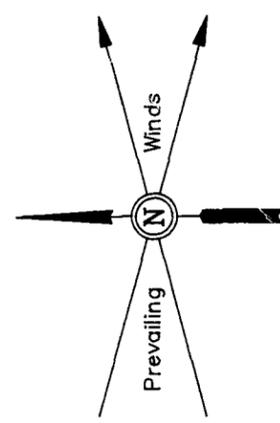
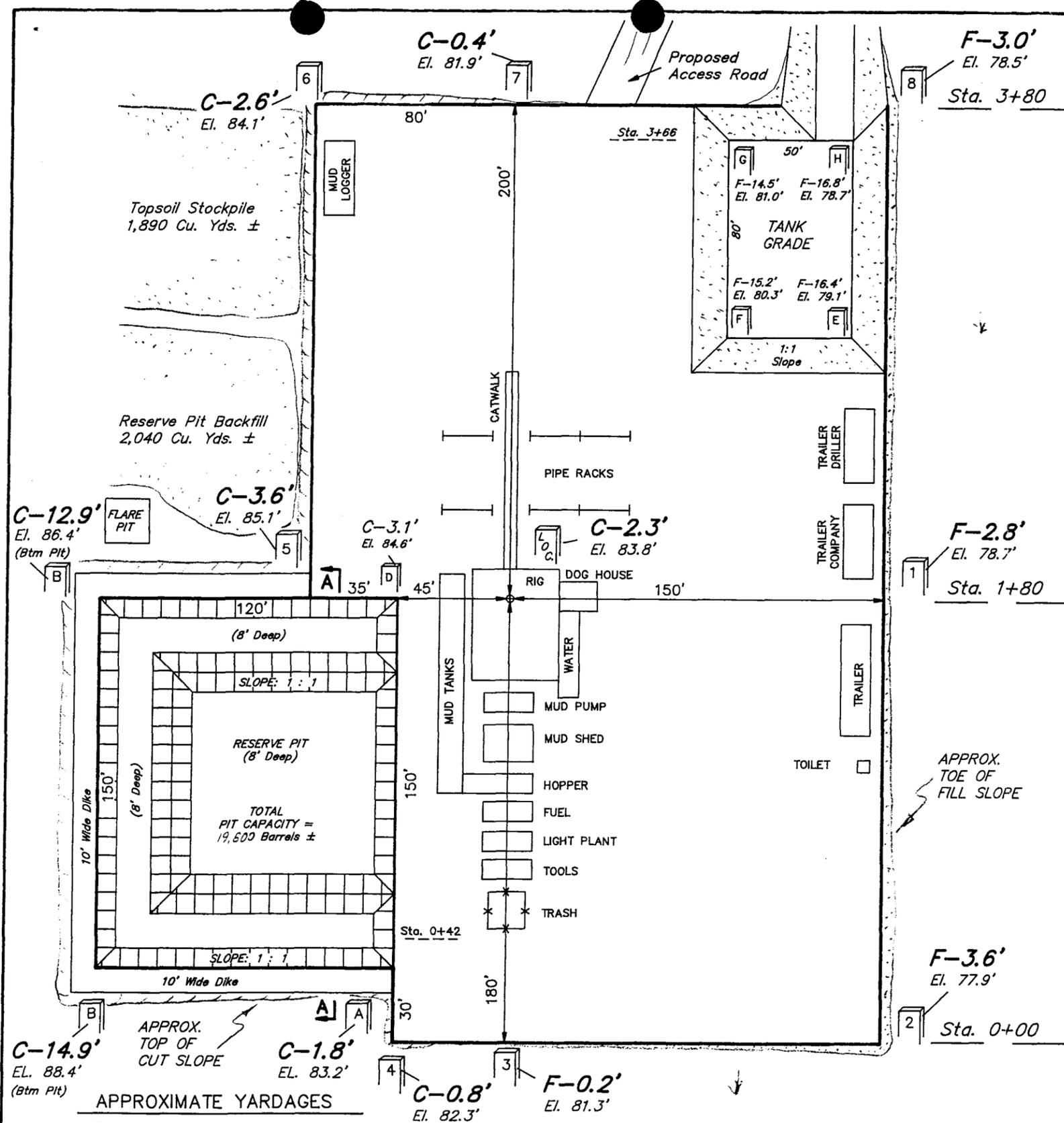
**-5000 PSI - WORKING PRESSURE
TRIPPLE GATE - BAG TYPE - BOP STACK
W/ HYDAULIC CHOKE MANIFOLD**

for:

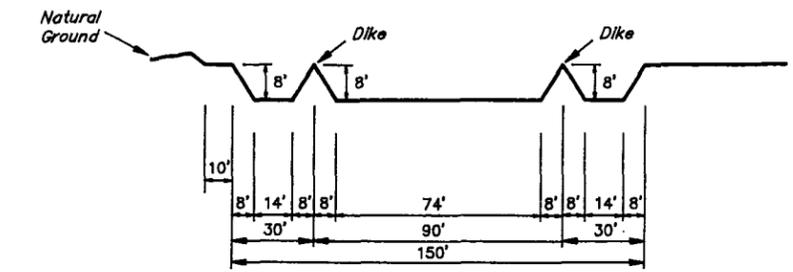
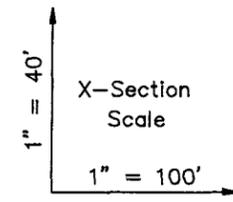
CORNABY 3-14A2



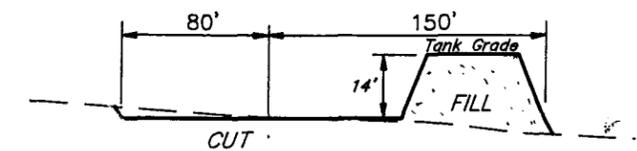
PENNZOIL EXPLR. & PROD. CO.
 LOCATION LAYOUT FOR
 CORNABY #3-14A2
 SECTION 14, T1S, R2W, U.S.B.&M.



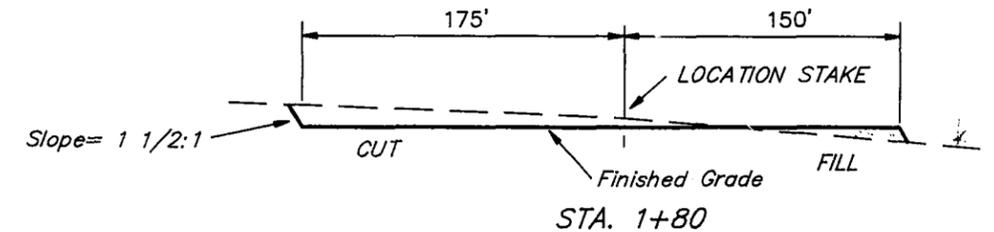
SCALE: 1" = 50'
 DATE: 1-3-90
 DRAWN BY: T.D.H.



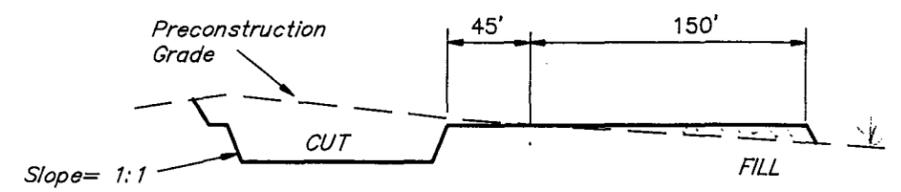
SECTION A-A
 NO SCALE



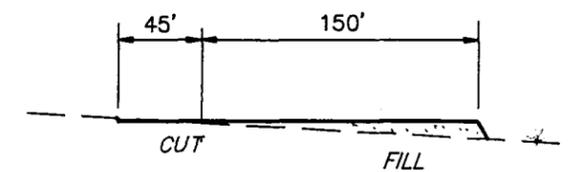
STA. 3+66



STA. 1+80



STA. 0+42



STA. 0+00

TYP. LOCATION LAYOUT
 TYP. CROSS SECTIONS

CUT		EXCESS MATERIAL AFTER 5% COMPACTION	= 3,630 Cu. Yds.
(6") Topsoil Stripping	= 1,890 Cu. Yds.	Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,930 Cu. Yds.
Remaining Location	= 9,760 Cu. Yds.	DEFICIT UNBALANCE (After Rehabilitation)	= 300 Cu. Yds.
TOTAL CUT	= 11,650 Cu. Yds.		
FILL	= 7,620 Cu. Yds.		

Elev. Ungraded Ground at Location Stake = 5683.8'

Elev. Graded Ground at Location Stake = 5681.5'

 **PENNZOIL EXPLORATION AND PRODUCTION COMPANY**

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353-4397

Jan.15 , 1991

State of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
355 West North Temple
3 Triad Center; Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED
JAN 17 1991

DIVISION OF
OIL, GAS & MINING

RE: Application for Permit to Drill
Cornaby 3-14A2
1157' FNL & 660' FEL
NESE Sec. 14 T1S R2W
Duchesne County, Utah

Gentlemen:

The original and two copies of captioned APD are enclosed for your review and I trust your approval. Pennzoil Exploration and Production Company requests that this APD and all related information submitted on this well be held confidential for that period of time permitted by regulations and law.

Should there be any question, please contact the undersigned.

Sincerely,
Pennzoil Exploration and Production Company



Danny L. Laman
Drilling Foreman

Enclosure

BEFORE THE BOARD OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

IN THE MATTER OF THE AMENDED PETITION OF ANR LIMITED INC., ET AL. FOR AN ORDER MODIFYING PREVIOUS ORDERS WHICH ESTABLISHED DRILLING AND SPACING UNITS AND ANY OTHER ORDERS RELATING TO TEST WELLS FOR THE ALTAMONT, BLUEBELL AND CEDAR RIM-SINK DRAW FIELDS, DUCHESNE AND UINTAH COUNTIES, UTAH	:	FINDINGS OF FACT, CONCLUSIONS OF LAW AND ORDER
	:	Docket No. 85-007 Cause No. 139-42

Pursuant to the Amended Notice of Hearing dated March 4, 1985 of the Board of Oil, Gas and Mining ("Board"), Department of Natural Resources of the State of Utah, said cause came on for hearing on Thursday, April 11, 1985 at 10:00 a.m. in the Board Room of the Division of Oil, Gas and Mining ("Division"), 355 West North Temple, 3 Triad Center, Suite 301, Salt Lake City, Utah.

The following members of the Board were present:

Gregory P. Williams, Chairman
James W. Carter
Charles R. Henderson
Richard B. Larson
E. Steele McIntyre
John M. Garr, having recused himself,
did not participate

Mark C. Moench, Assistant Attorney General, was present on behalf of the Board.

Members of the Staff of the Division present and participating in the hearing included:

Dr. Dianne R. Nielson, Director
Ronald J. Firth, Associate Director
John R. Baza, Petroleum Engineer

Barbara W. Roberts, Assistant Attorney General, was present on behalf of the Division.

Appearances were made as follows: Petitioners ANR Limited, et al., by Frank Douglass, Esq. and Ray H. Langenberg, Austin, Texas; Robert G. Pruitt, Jr., Esq., Salt Lake City, Utah; Frank J. Gustin, Esq., Salt Lake City, Utah; Louis A. Posekany, Jr., General Counsel, and George W. Hellstrom, Esq., ANR Production Company; Phillip K. Chattin, General Counsel, Utex Oil Company; Hugh C. Garner, Esq., for Coastal Oil & Gas Corporation; Phillip William Lear, Esq., for Phillips Petroleum Company; Jeffrey R. Young, Esq., for Bow Valley Petroleum, Inc.; B. J. Lewis, Esq., Vice President, and Robert W. Adkins, Esq., Linmar Energy Corporation; Robert Buettner, Esq., Koch Exploration Company; Lane Jamison, Esq., Sonat Exploration Company; Victor Brown and Robert Brown, Utah Royalty Association; John Harja, Esq., Gulf Oil Corporation; Martin Seneca, General Counsel, Ute Indian Tribe; Assad M. Raffoul, Petroleum Engineer, Bureau of Land Management; John Chasel, on his own behalf; George Morris, Esq., Ute Distribution Corporation; Dr. Gilbert Miller, Conservation Superintendent, Amarada Hess Corporation; and L. A. Pike, Roosevelt, Utah, landowner.

Now therefore, the Board having considered the testimony of the witnesses, John C. Osmond, Petroleum Geologist; Clarke Gillespie, Petroleum Reservoir Engineer; and R. Thayne Robson, Economist, for Petitioners and B. J. Lewis, Vice President, and John W. Clark, Petroleum Engineer, for Linmar Energy Corporation, and the exhibits received at said hearing and being fully advised in the premises, now makes and enters the following:

FINDINGS OF FACT

1. Due and regular notice of the time, place and purpose of the hearing was given to all interested parties as required by law and the rules and regulations of the Board.
2. The Board has jurisdiction over the matters covered by said notice and over all parties interested therein and has jurisdiction to make and promulgate any order hereinafter set forth.
3. The Board has heretofore entered 640 acre drilling and spacing orders for the Lower Green River/Wasatch Formation in Causes No. 139-3, 139-4, 139-5, 139-8, and 139-17 (Altamont Field), Causes No. 131-11, 131-14, 131-24, 131-27, 131-32, 131-33, 131-34, 131-45 and 131-55, (Bluebell Field), and Causes No. 140-6 and 140-7 (Cedar Rim-Sink Draw Field) as to the following described lands:

UINTAH SPECIAL MERIDIAN

Township 1 North, Range 1 West
Sections: 19-36

Township 1 North, Range 2 West
Sections: 19-36

Township 1 North, Range 3 West
Sections 23-26, 35 and 36

Township 1 South, Range 1 East
Sections: All (except Roosevelt Unit)

Township 1 South, Range 2 East
Sections: 4-8, 18-19, 30-31

Township 1 South, Range 1 West
Sections: All (except Roosevelt Unit)

Township 1 South, Range 2 through 4 West
Sections: All

Township 1 South, Range 5 West
Sections: 10-17, 20-36

Township 1 South, Range 6 West
Sections: 25-26, 35-36

Township 2 South, Range 1 through 2 East
Sections: All

Township 2 South, Range 1 through 6 West
Sections: All

Township 2 South, Range 7 West
Sections: 19, 30-36

Township 2 South, Range 8 West
Sections: 23-26, 31-36

Township 3 South, Range 3 West
Sections: 5-8, 17-20, 29-32

Township 3 South, Range 4 through 8 West
Sections: All

Township 4 South, Range 3 West
Sections: 5 and 6

Township 4 South, Range 4 West
Sections: 1-6

Township 4 South, Range 5 West
Sections: 1-6

Township 4 South, Range 6 West
Sections: 1-18

SALT LAKE MERIDIAN

Township 5 South, Range 19 East
Sections: 20-23, 26-29, 32-35

Township 6 South, Range 19 East
Sections: 3-5, 9, 10, 15, 16, 22, 27
and 34

4. In Cause No. 140-12, the Board authorized the drilling of test or second wells that may only be produced alternatively with the initial well on the same drilling unit.

5. The Lower Green River/Wasatch Formation underlying the subject fields constitutes a pool as that term is defined in Utah Code Ann. §40-6-2(9) (1953, as amended), and is a highly complex series of isolated and discontinuous beds of productive rock that are randomly distributed vertically over a several thousand feet thick interval. Normally, the productive beds are separate and distinct and not in communication with each other.

6. Many of the productive beds are not correlatable from well to well and will not afford communication between wells as close as 1000 feet. Of the productive beds that correlate, various geological factors prevent a significant number from communicating between wells within the same section.

7. Geologic and engineering information from initial unit wells and test wells show that a single well will not effectively drain the recoverable oil and gas underlying any given 640 acre spacing unit because the productive beds are too

small or have other limiting characteristics precluding effective and efficient drainage of the recoverable reserves underlying the unit.

8. Data from production logs and field performance show that test wells drilled under the Order in Cause No. 140-12 after 1978 have caused the recovery of substantial amounts of oil from separate and distinct productive beds and from previously undepleted productive beds, and that the drilling of additional wells on existing units will increase the ultimate recovery of oil from the subject fields.

9. The prohibition of simultaneous production from the initial well and test well on the same unit has caused the shutting in of wells with the potential to produce substantial amounts of additional reserves.

10. Each additional well drilled under this order will tap producing formations that are separate and distinct from and not in communication with any other producing formation and is not an unnecessary well.

11. In some areas of the subject fields, geologic, engineering, and economic factors justify drilling additional wells on existing units. In other areas, geologic, engineering and economic factors may not justify drilling additional wells on existing units.

CONCLUSIONS OF LAW

1. Due and regular notice of the time, place and

purpose of the hearing was given to all interested parties as required by law and the rules and regulations of the Board.

2. The Board has jurisdiction over the matters covered by said notice and over all parties interested therein and has jurisdiction to make and promulgate any order hereinafter set forth.

3. The Board is authorized to modify its previous orders to permit additional wells to be drilled within established units under Utah Code Ann. §40-6-6(4) (1953, as amended).

4. An order permitting (a) the drilling of additional wells on existing units as provided herein and (b) the simultaneous production of initial wells and additional wells will prevent the waste of hydrocarbons, prevent the drilling of unnecessary wells, and protect correlative rights.

ORDER

IT IS THEREFORE ORDERED:

To prevent waste of oil, gas and associated liquid hydrocarbons, to avoid the drilling of unnecessary wells, to protect correlative rights and to maintain, to the maximum extent practicable, drilling units of uniform size and shape for the promotion of more orderly development of the lands described in Finding of Fact No. 3 above, the following order is hereby promulgated to govern operations in said area effective as of April 12, 1985:

A. Upon the effective date any and all orders of the Board heretofore promulgated which are inconsistent with the orders herein set forth shall be and are hereby vacated to the extent inconsistent herewith.

B. Additional wells may be drilled, completed, and produced on established drilling units comprising government surveyed sections of approximately 640 acres (or other designated drilling units so long as such unit is at least 400 acres in size) to a density of no greater than two producing wells on each unit comprising a section (or other designated unit).

C. Additional wells may be drilled at the option of the operator of the unit, based upon geologic and engineering data for that unit which will justify the drilling of an additional well in order to recover additional oil, provided the additional well appears to be economically feasible.

D. Economically feasible means that a prudent operator would have a reasonable opportunity to recover the costs of drilling, completing, producing and operating the well, plus a reasonable profit.

E. It is not the intent of this order, in permitting additional wells to be drilled on established drilling units, to change or amend the existing contractual rights or relationships, express or implied, of any parties who share in production or the proceeds therefrom in the spaced area.

F. Any additional well must be located at least 1,320 feet from the existing well on the unit and not closer than 660

feet from the exterior boundary of the unit. No two wells may be drilled in any drilling unit within the same governmental quarter section or equivalent lot.

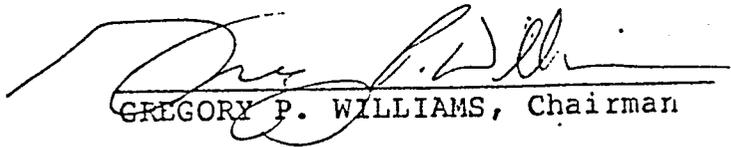
G. If an operator elects to initially complete a well solely within producing formations that are separate and distinct from and not in communication with any other producing formation, the operator will use reasonable precautions in order that such well is not completed in any producing formation that may be effectively drained by any other well.

H. Second or test wells drilled under previous orders as well as additional wells to be drilled under this order may be produced simultaneously with initial wells.

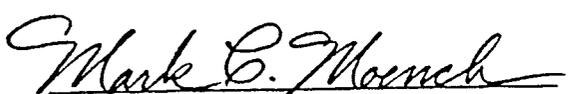
I. The Board retains exclusive and continuing jurisdiction of all matters covered by this order and of all parties affected thereby and particularly that the Board retains and reserves exclusive and continuing jurisdiction to make further orders as appropriate and authorized by statute and applicable regulations.

ENTERED this 17th day of April, 1985.

STATE OF UTAH
BOARD OF OIL, GAS AND MINING


GREGORY P. WILLIAMS, Chairman

APPROVED AS TO FORM:


MARK C. MOENCH
Assistant Attorney General

DRILLING LOCATION ASSESSMENT

State of Utah
Division of Oil, Gas and Mining

OPERATOR: PENNZOIL EX. AND PROD. CO. NAME: CORNABY 3-14A2
SECTION: 14 TWP: 1S RNG: 2W LOC: 1157 FNL 660 FEL
QTR/QTR NE/NE COUNTY: DUCHESNE FIELD: BLUEBELL-G.R.
SURFACE OWNER: RICHARD CORNABY
SPACING: 660 F SECTION LINE 1320 F ANOTHER WELL
INSPECTOR: BRAD HILL DATE AND TIME: 1/4/91 10:30

PARTICIPANTS: Don Langford-Pennzoil; Tracey Monks-Monks Const.;
Gil Mitchell-Mitchell Const.

REGIONAL SETTING/TOPOGRAPHY: The proposed location is in a low
flat-lying area southeast of Monarch, Utah.

LAND USE:

CURRENT SURFACE USE: Domestic grazing.

PROPOSED SURFACE DISTURBANCE: A rectangular shaped pad will be
constructed with approximate dimensions of 380'X 230' with a
150'X 120' extension for a reserve pit. Approximately 1800' of
access road will be constructed through an existing pasture.

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Rabbitbrush, Russian Olive, Grass, Rushes, Sage,
Greasewood, Juniper/Rabbits, Deer

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Sandy-silt

SURFACE FORMATION & CHARACTERISTICS: Quaternary Alluvium

EROSION/SEDIMENTATION/STABILITY: No active erosion or
sedimentation at present. Location should be stable.

PALEONTOLOGICAL POTENTIAL: None Observed

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Green River-9,784', 10,434' and 10,779'

ABNORMAL PRESSURES-HIGH AND LOW: None Anticipated

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: Onsite materials will be used for construction.

SITE RECLAMATION: As per landowner instructions.

RESERVE PIT

CHARACTERISTICS: An irregularly shaped reserve pit will be constructed. (see APD)

LINING: The reserve pit is to be lined with a synthetic liner.

MUD PROGRAM: Surface hole/gelled fresh water; Production hole/fresh water with viscous sweeps with barite as needed for weight.

DRILLING WATER SUPPLY: Not specified

STIPULATIONS FOR APD APPROVAL

Reserve pits to be lined with a synthetic liner of 12 mil minimum thickness.

ATTACHMENTS

Photographs will be placed on file.

CONFIDENTIAL

OPERATOR Panzoni Expt. Plant N DATE 1-27-91

WELL NAME Courtesy 23-14A0

SEC NENE 14 T 19 R 01W COUNTY Duchesne

143-013-310749
API NUMBER

Ac (4)
TYPE OF LEASE

CHECK OFF:

PLAT.

BOND
80,000
(31005080)

NEAREST
WELL

LEASE

FIELD
530M

POTASH OR
OIL SHALE

PROCESSING COMMENTS:

Water Permit
Permit 1-2091 / Geology issued 1-30-91

APPROVAL LETTER:

SPACING:

R615-2-3

N/A
UNIT

R615-3-2

139-40 4-17-85
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

No stipulation
In Reserve pits to be lined with a synthetic
liner of 12 mil minimum thickness.

CONFIDENTIAL
PERIOD
EXPIRED
ON 9-8-92



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

January 31, 1991

Pennzoil Exploration & Production Company
P. O. Box 290
Neola, Utah 84053

Gentlemen:

Re: Cornaby 3-14A2 - NE NE Sec. 14, T. 1S, R. 2W - Duchesne County, Utah
1157' FNL, 660' FEL

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 139-42 dated April 17, 1985 subject to the following stipulations:

1. Pennzoil Exploration & Production Company, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.
2. Reserve pits to be lined with a synthetic liner of 12 mil. minimum thickness.

In addition, the following actions are necessary to fully comply with this approval:

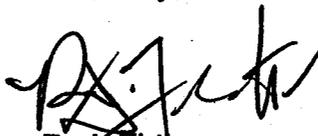
1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.

Page 2
Pennzoil Exploration & Production Company
Cornaby 3-14A2
January 31, 1991

4. Prompt notification if it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31299.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
J. L. Thompson
we14/1-20

 **PENNZOIL EXPLORATION AND PRODUCTION COMPANY**

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353-4397

April 18, 1991

State of Utah, Dept. of Natural Resources
Division of Oil, Gas, and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
ATTN: Frank Matthews

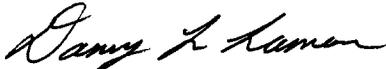
RE: Well number and BOP rating change.
Cornaby 3-14A2
NENE 1157' FNL & 660' FEL
Sec. 14 T1S R2W
Duchesne County, Utah
API No: 43-013-31299

Gentlemen:

Enclosed, please find three copies of your Form 5 OGC-1b "Sundry Notices & Report On Wells" requesting to change well number from the Cornaby 3-14A2 to Cornaby 2-14A2 and the BOP rating from 5000 psi to 3000 psi on the APD. Pennzoil Exploration and Production Company requests that all related information submitted on this well be held CONFIDENTIAL for that period of time permitted by regulations and law.

Please contact the undersigned if there should be any question.
(801) 353-4397

Sincerely
PENNZOIL EXPLORATION AND PRODUCTION COMPANY


Danny L. Laman

Enclosure

RECEIVED

APR 19 1991

DIVISION OF
OIL GAS & MINING

Conf.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [] OTHER [] 2. NAME OF OPERATOR PENNZOIL EXPLORATION AND PRODUCTION COMPANY 3. ADDRESS OF OPERATOR P. O. Box 290 Neola, Utah 84053 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface NENE 1157' FNL & 660' FEL 5. LEASE DESIGNATION AND SERIAL NO. Fee Land 6. IF INDIAN, ALLOTTED OR TRIBE NAME 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME Cornaby 9. WELL NO. 3-14A2 10. FIELD AND POOL, OR WILDCAT Lower Green River Oil 11. SEC., T., R., M., OR B.L.K. AND SURVEY OR ASSA Sec. 14, T1S, R2W 12. COUNTY OR PARISH Duchesne 13. STATE Utah 14. PERMIT NO. 43-013-31299 del 15. ELEVATIONS (Show whether OF, RT, GR, etc.) Ungraded Ground - 5684'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: TEST WATER SHUT-OFF [] FRACTURE TREAT [] SHOOT OR ACIDIZE [] REPAIR WELL [] (Other) [] FULL OR ALTER CASING [] MULTIPLE COMPLETE [] ABANDON* [] CHANGE PLANS [] SUBSEQUENT REPORT OF: WATER SHUT-OFF [] FRACTURE TREATMENT [] SHOOTING OR ACIDIZING [] (Other) Well Number & BOP rate [XXX] REPAIRING WELL [] ALTERING CASING [] ABANDONMENT* [] (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) 1. Pennzoil request to change the well name from the Cornaby 3-14A2 to Cornaby 2-14A2. 2. Pennzoil request to change BOP rating from a 5000 psi to 3000 psi. 3. Attached is a schematic of the 3000 psi rating BOP stack. 4. Pennzoil request that all information from this well be held CONFIDENTIAL for that period of time permitted by Law and Regulations.

RECEIVED

APR 19 1991

DIVISION OF OIL GAS & MINING

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 4-23-91 BY: [Signature]

Office (801) 353-4397 Home (801) 789-7033

18. I hereby certify that the foregoing is true and correct SIGNED Danny L. Laman TITLE Drilling Foreman DATE 4-18-91

(This space for Federal or State office use)

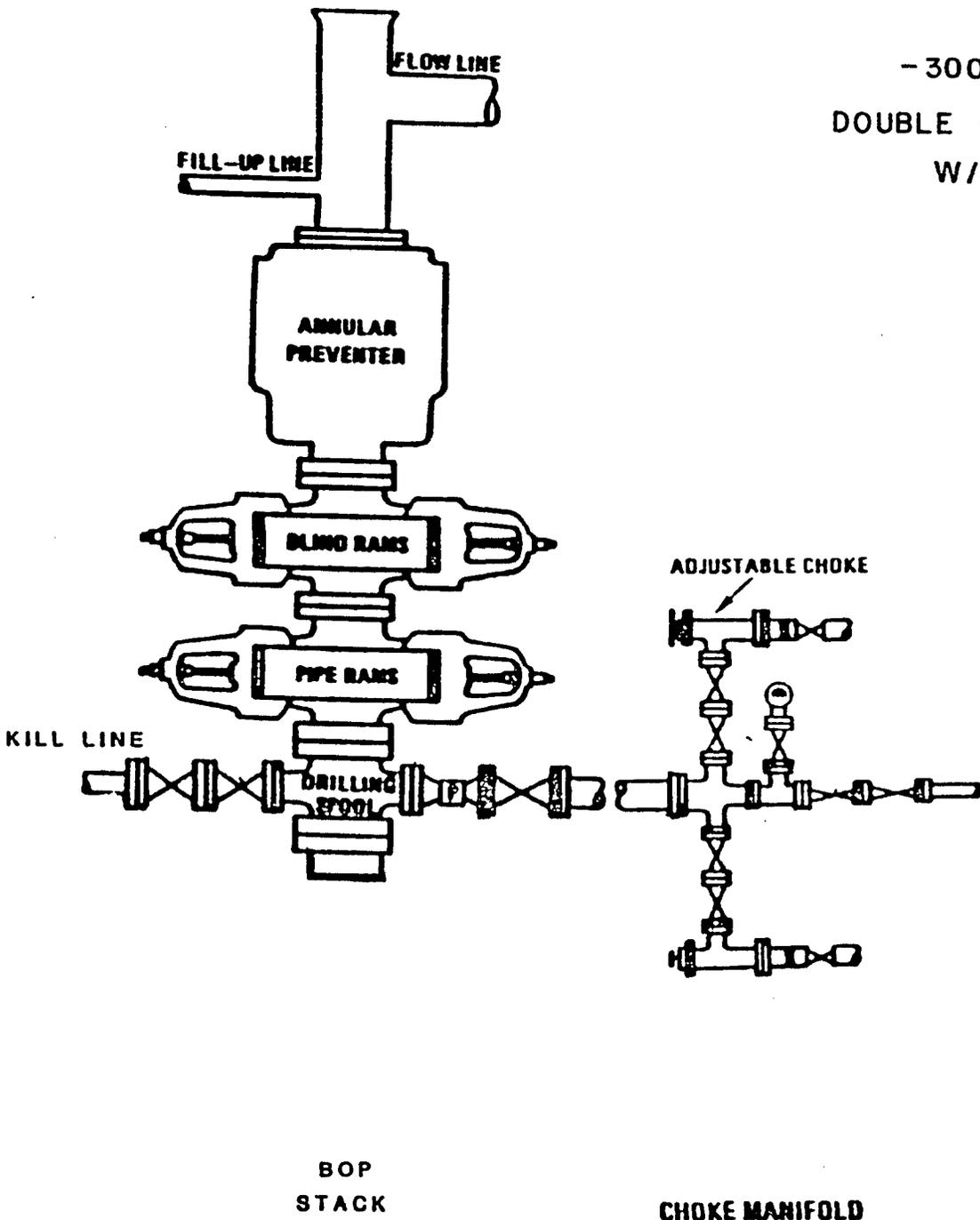
APPROVED BY _____ TITLE _____ DATE _____ CONDITIONS OF APPROVAL, IF ANY:

BOP SCHEMATIC

**-3000 PSI - WORKING PRESSURE
DOUBLE GATE - BAG TYPE - BOP STACK
W/ HYDAULIC CHOKE MANIFOLD**

for:

CORNABY 2-14A2



 **PENNZOIL EXPLORATION AND PRODUCTION COMPANY**

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353-4397

April 18, 1991

CONFIDENTIAL

State of Utah, Dept. of Natural Resources
Division of Oil, Gas, and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
ATTN: Frank Matthews

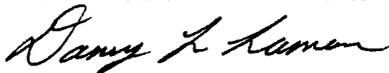
RE: Well number and BOP rating change.
Cornaby 3-14A2
NENE 1157' FNL & 660' FEL
Sec. 14 T1S R2W
Duchesne County, Utah
API No: 43-013-31299

Gentlemen:

Enclosed, please find three copies of your Form 5 OGC-1b "Sundry Notices & Report On Wells" requesting to change well number from the Cornaby 3-14A2 to Cornaby 2-14A2 and the BOP rating from 5000 psi to 3000 psi on the APD. Pennzoil Exploration and Production Company requests that all related information submitted on this well be held CONFIDENTIAL for that period of time permitted by regulations and law.

Please contact the undersigned if there should be any question.
(801) 353-4397

Sincerely
PENNZOIL EXPLORATION AND PRODUCTION COMPANY



Danny L. Laman

Enclosure

RECEIVED

APR 19 1991

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMITTED IN TRIPPLICATE
(Original to be filed on reverse side)

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)</small>		5. LEASE DESIGNATION AND SERIAL NO. Fee Land
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTED OR TRIBE NAME
2. NAME OF OPERATOR PENNZOIL EXPLORATION AND PRODUCTION COMPANY		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 290 Neola, Utah 84053		8. FARM OR LEASE NAME Cornaby
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface NENE 1157' FNL & 660' FEL		9. WELL NO. 3-14A2
14. PERMIT NO. 43-013-31299		10. FIELD AND POOL, OR WILDCAT Lower Green River Oil
15. ELEVATIONS (Show whether OF, RT, GR, etc.) Ungraded Ground - 5684'		11. SEC., T., R., M., OR BLK. AND SUBSTY OR AREA Sec. 14, T1S, R2W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah.

CONFIDENTIAL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) Well Number & BOP rate <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

1. Pennzoil request to change the well name from the Cornaby 3-14A2 to Cornaby 2-14A2.
2. Pennzoil request to change BOP rating from a 5000 psi to 3000 psi.
3. Attached is a schematic of the 3000 psi rating BOP stack.
4. Pennzoil request that all information from this well be held CONFIDENTIAL for that period of time permitted by Law and Regulations.

RECEIVED

APR 19 1991

DIVISION OF
OIL GAS & MINING

Office (801) 353-4397

Home (801) 789-7033

18. I hereby certify that the foregoing is true and correct

SIGNED Danny L. Laman TITLE Drilling Foreman DATE 4-18-91

(This space for Federal or State office use)

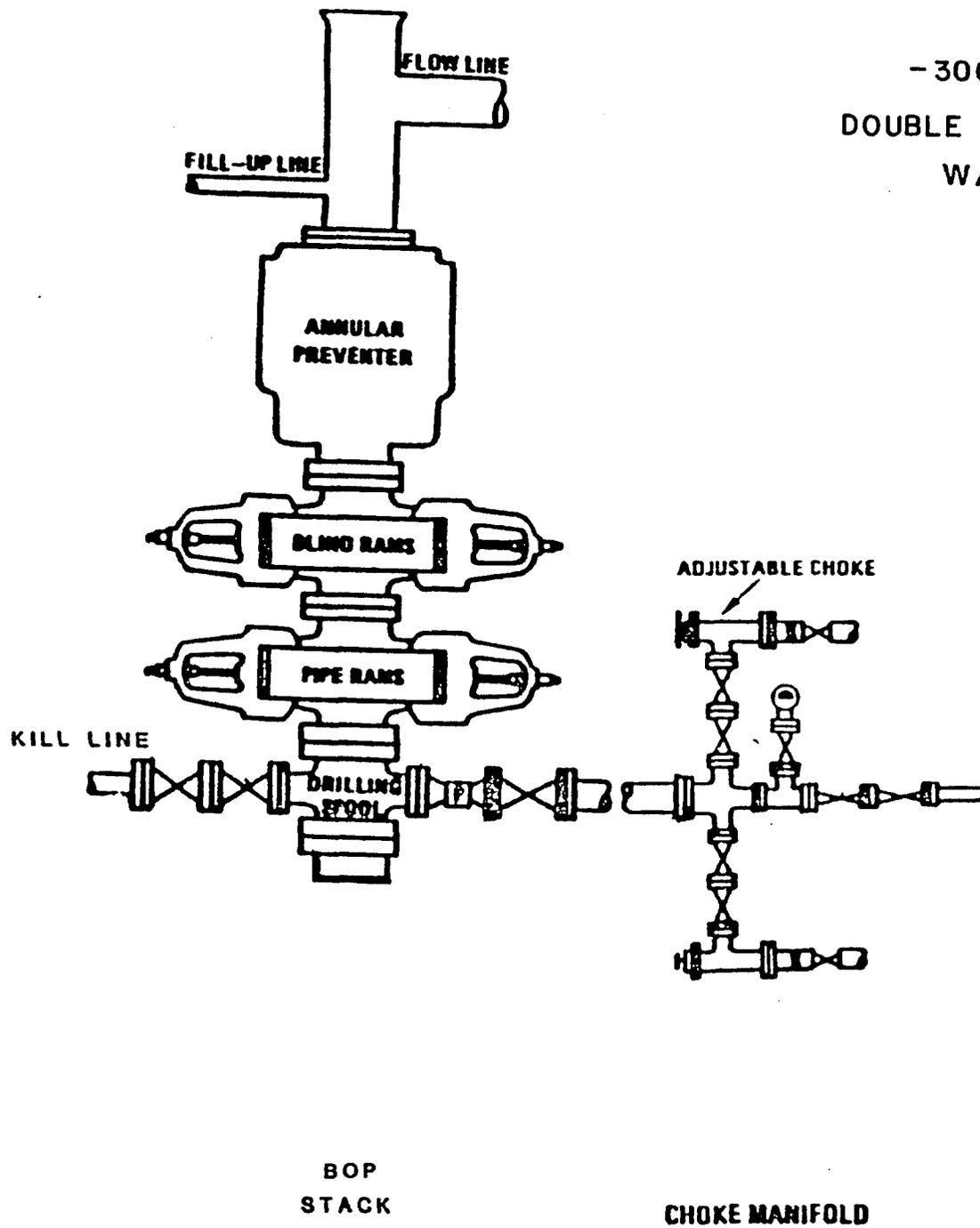
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

BOP SCHEMATIC

**-3000 PSI - WORKING PRESSURE
DOUBLE GATE - BAG TYPE - BOP STACK
W/ HYDAULIC CHOKE MANIFOLD**

for:

CORNABY 2-14A2



CONFIDENTIAL

WATER PERMIT 43-28 (T-91-43-04)

DIVISION OF OIL, GAS AND MINING

API NO. 43-013-31299

SPUDDING INFORMATION

NAME OF COMPANY: Pennzoil Exploration & Production

WELL NAME: Cornaby 2-14A2

SECTION NENE 14 TOWNSHIP 1S RANGE 2W COUNTY Duchesne

DRILLING CONTRACTOR Grace

RIG # 181

SPUDED: DATE 5-7-91

TIME 2:30 p.m.

HOW DRY

DRILLING WILL COMMENCE _____

REPORTED BY Dan Layman

TELEPHONE # _____

DATE 5/9/91 SIGNED TAS TAKEN BY: FRM

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER 2. NAME OF OPERATOR PENNZOIL EXPLORATION AND PRODUCTION COMPANY 3. ADDRESS OF OPERATOR P.O. BOX 290 Neola, Utah 84053 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1157' FNL & 660' FEL 14. PERMIT NO. 43-013-31299		5. LEASE DESIGNATION AND SERIAL NO. Fee Land 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME Cornaby 9. WELL NO. 2-14A2 10. FIELD AND POOL, OR WILDCAT Lower Green River 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14 T1S R2W 12. COUNTY OR PARISH Duchesne 13. STATE Utah
15. ELEVATIONS (Show whether DP, RT, GR, etc.) Ungraded Ground 5684'		

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Water Permit</u> <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).*

1. Water Permit: t91-43-04 43-28
2. Attached is the Application for Diversion of Water.

RECEIVED
MAY 13 1991
DIVISION OF
OIL GAS & MINING

Danny L. Laman Office: (801) 353-4397 Home: (801) 789-7033

18. I hereby certify that the foregoing is true and correct

SIGNED *Danny L. Laman* TITLE Drilling Foreman DATE 5-9-91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APPLICATION FOR TEMPORARY CHANGE OF WATER

STATE OF UTAH

Rec. by _____
 Fee Paid \$ _____
 Receipt # _____
 Microfilmed _____
 Roll # _____

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

CHANGE APPLICATION NUMBER: t91-43-04

WATER RIGHT NUMBER: 43 - 28

This Change Application proposes to change the PLACE OF USE and NATURE OF USE.

1. OWNERSHIP INFORMATION.

- A. NAME: Richard Cornaby INTEREST: 100%
 ADDRESS: Route #1, Box 1171, Roosevelt, UT 84066
- B. PRIORITY OF CHANGE: May 3, 1991 FILING DATE: May 3, 1991
- C. RIGHT EVIDENCED BY: Application A31921

* DESCRIPTION OF CURRENT WATER RIGHT: *

2. SOURCE INFORMATION.

- A. QUANTITY OF WATER: 0.5 cfs
- B. DIRECT SOURCE: Tributary to Cottonwood Wash COUNTY: Duchesne
- C. POINT OF DIVERSION -- SURFACE:
 (1) N 1280 feet W 776 feet from SE corner, Section 11, T 1S, R 2W, USBM

3. STORAGE. Water is diverted for storage into:

- (1) Unnamed Reservoir, from Jan 1 to Dec 31.
 CAPACITY: 3.600 ac-ft. INUNDATING: 1.00 acs. DAM HEIGHT: 6 ft.
 Area inundated includes all or part of the following legal subdivisions:

BASE TOWN	RANG	SEC	NORTH-EAST ¼				NORTH-WEST ¼				SOUTH-WEST ¼				SOUTH-EAST ¼								
			NE	NW	SW	SE																	
SL	1S	2W	11				■ ■ ■								■ ■ ■				■ ■ ■	X			X

4. WATER USE INFORMATION.

RECEIVED

MAY 13 1991

DIVISION OF
OIL GAS & MINING

 **PENNZOIL EXPLORATION AND PRODUCTION COMPANY**

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353-4397

May 9, 1991

State of Utah, Dept. of Natural Resources
Division of Oil, Gas, and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
ATTN: Frank Matthews

RECEIVED

MAY 13 1991

DIVISION OF
OIL GAS & MINING

RE: Water Permit.
Cornaby 3-14A2
NENE 1157' FNL & 660' FEL
Sec. 14 T1S R2W
Duchesne County, Utah
API No: 43-013-31299

Gentlemen:

Enclosed, please find three copies of your Form 5 OGC-1b "Sundry Notices & Report On Wells" with water permit attached for the Cornaby 2-14A2. Pennzoil Exploration and Production Company requests that all related information submitted on this well be held **CONFIDENTIAL** for that period of time permitted by regulations and law.

Please contact the undersigned if there should be any question.
(801) 353-4397

Sincerely
PENNZOIL EXPLORATION AND PRODUCTION COMPANY


Danny L. Laman

Enclosure

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING
 ENTITY ACTION FORM - FORM 6

OPERATOR Pennzoil Expl. + Prod. Co.
 ADDRESS P.O. Box 2967
Houston, Tx 77252-2967

OPERATOR ACCT. NO. N 2885

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11228	4301331299	Cornaby 2-14A2	WENE	14	1S	2W	Duchesne	5/7/91	5/7/91
WELL 1 COMMENTS: Fee-Lease Proposed Zone - BRRV Field - Bluebell (New entity 11228 added 5-16-91) Unit - N/A <i>JK</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
 MAY 14 1991 DIVISION OF OIL GAS & MINING											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Elizabeth O. Grayson
 Signature
Staff Acct III
 Title
5/12/91
 Date
 Phone No. 713, 546-6969

011

RECEIVED
MAY 15 1991

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING INSPECTION FORM

COMPANY: PENNZOIL EXP. & PROD CO. COMPANY REP: JACK PARROTT

WELL NAME: CORNABY 2-14A2 API NO: 43-013-31299

QTR/QTR: _____ SECTION: 14 TWP: 1 S RANGE: 2 W

CONTRACTOR: GRACE DRILLING RIG NUMBER: 181

INSPECTOR: HEBERTSON TIME: 2:30 PM DATE: 5/15/91

OPERATIONS: RUNNING DIRECTIONAL SURVEY DEPTH: 2,299

SPUD DATE: DRY: _____ ROTARY: 5/7/91 T.D.: _____ DEPTH: 2,299

=====

WELL SIGN: Y SANITATION: Y BOPE: _____ BLOOIE LINE: Y

H2S POTENTIAL: _____ ENVIRONMENTAL: Y FLARE PIT: Y

RESERVE PIT: Y FENCED: _____ LINED: Y PLASTIC: Y

RUBBER: _____ BENTONITE: _____ OTHER: _____

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: NA

BOPE TRAINING RECORDED IN THE RIG DAILY TOUR BOOK: NA

=====

LEGEND: (Y)=YES (U)=UNKNOWN (NA)=NOT APPLICABLE

REMARKS:

WATER FLOWS @ 2,237 2,268, 2,299. WATER SAMPLE TAKEN FROM SHAKER, 1/2 OF
SAMPLE WOULD BE FROM FLOWING ZONE, FLOW STARTED OUT WITH A 3" STREAM.

STATE OF UTAH
DIVISION OF OIL GAS AND MINING
BOPE TEST INSPECTION FORM

COMPANY: PENNZOIL EXPL. & PROD CO. REPRESENTATIVE: JACK PARROTT

WELL NAME: CORNABY 2-14A2 API NO: 43-013-31299

QTR/QTR NE/NE SEC: 14 WELL SIGN: Y TWP: 1 S RANGE: 2 W

INSPECTOR: BERRIER TIME: 10:00 PM DATE: 5/21/91

DRILLING CONTRACTOR: GRACE DRILLING RIG: 181

RIG OPERATIONS: NIPPLE UP AND TEST BOPE AFTER SURFACE CASING

DEPTH: 3,305 LAST CASING: 9 5/8 INCH SET @: 3,300

TESTED BY: DOUBLE JACK WATER: Y MUD: _____

TEST PRESSURES: 3000/1500 KELLYCOCK: UPPER Y LOWER Y

INSIDE BOP Y FULL OPENING VALVE ON FLOOR Y

WRENCH FOR FULL OPENING VALVE/KELLYCOCK ON FLOOR Y

STACK LISTED AS ARRANGED (FROM TOP TO BOTTOM):

1. DRILLING HEAD
2. ANNULAR HYDRIL
3. BLIND RAMS
4. PIPE RAMS
5. MUD CROSS FOR FILL AND KILL LINES
6. SPACER
7. TIE DOWN FLANGE
8. CASING HEAD

ADDITIONAL COMMENTS FILLED UP BETWEEN CONDUCTOR AND 9 5/8

CASING WITH READY MIX CEMENT. LOW OIL LEVEL IN THE ACCUMULATOR

HAD TO WORK AIR OUT OF THE SYSTEM AND REPAIR LEAKS IN THE HOSES

AND REPAIRED THE SWIVEL. ALL ELSE TESTED OK.

REPORTED BY: _____ PHONE: _____

 **PENNZOIL EXPLORATION AND PRODUCTION COMPANY**

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353-4397

May 28, 1991

State of Utah, Dept. of Natural Resources
Division of Oil, Gas, and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
ATTN: Frank Matthews

RE: Sundry Notice and Report Of Water Encountered.
Cornaby 3-14A2
NENE 1157' FNL & 660' FEL
Sec. 14 T1S R2W
Duchesne County, Utah
API No: 43-013-31299

Gentlemen:

Enclosed, please find three copies of your Form OGC-1b "Sundry Notices & Report On Wells" and your Form 7 "Report Of Water Encountered During Drilling" for the Cornaby 3-14A2.

Please contact the undersigned if there should be any question.
(801) 353-4397

Sincerely
PENNZOIL EXPLORATION AND PRODUCTION COMPANY


Danny L. Laman

Enclosure

RECEIVED

MAY 29 1991

DIVISION OF
OIL GAS & MINING

RECEIVED

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

MAY 29 1991

DIVISION OF
 OIL GAS & MINING

1. Well name and number: Cornaby 2-14A2
 API number: 43-013-31299
2. Well location: QQ NENE section 14 township 1S range 2W county Duchesne
3. Well operator: Pennzoil Exploration and Production Company
 Address: P.O. Box 290 Neola, Utah 84053 phone: 353-4397
4. Drilling contractor: Grace Drilling Company
 Address: 2801 Youngfield St. Ste 178 phone 303-234-1444
Golden, Colorado 80401

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
900'	app 912'	1 1/2" Stream	Fresh
2264'	2279'	5" Stream	Slightly Salty

6. Formation tops: _____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

Water samples were sent to State by field Inspector John Berries.

I certify that this report is true and complete to the best of my knowledge.

Name Danny L. Laman Signature *Danny Laman*
 Title Area Drilling Foreman Date 5-28-91

Comments:

RECEIVED

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

MAY 29 1991

1. Well name and number: Cornaby 2-14A2
 API number: 43-013-31299

DIVISION OF
 OIL GAS & MINING

2. Well location: QQ NENE section 14 township 1S range 2W county Duchesne

3. Well operator: Pennzoil Exploration and Production Company
 Address: P.O. Box 290 Neola, Utah 84053 phone: 353-4397

4. Drilling contractor: Grace Drilling Company
 Address: 2801 Youngfield St. Ste 178 phone 303-234-1444
Golden, Colorado 80401

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
900'	app 912'	1 1/2" Stream	Fresh
2264'	2279'	5" Stream	Slightly Salty

6. Formation tops: _____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

Water samples were sent to State by field Inspector John Berries.

I certify that this report is true and complete to the best of my knowledge.

Name Danny L. Laman Signature *Danny Laman*
 Title Area Drilling Foreman Date 5-28-91

Comments:

CONFIDENTIAL

REPORT NO.
125165

STAR

Schlumberger Transient Analysis Report Based on Model Verified Interpretation

Schlumberger

DIVISION OF
OIL GAS & MINING

PAGE NO. 1

TEST DATE:
31-MAY-1991

DEVE 43-013-31299 drl.

COMPANY: PENNZOIL WELL: CORNABY 2-14A2 - DST #2

TEST IDENTIFICATION

Test Type MFE-OH-DST
 Test No. 2
 Formation GREEN RIVER
 Test Interval (ft) 6440 to 6468
 Depth Reference KB

WELL LOCATION

Field BLUEBELL
 County DUCHANE COUNTY
 State UTAH
 Sec/Twn/Rng 14-T1S-R2W
 Elevation (ft)

HOLE CONDITIONS

Total Depth (MD/TVD) (ft) 6468
 Hole Size (in) 8.75
 Casing/Liner I.D. (in)
 Perf'd Interval/Net Pay (ft).. -- / 6
 Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type SALT WATER
 Mud Weight (lb/gal) 9.3
 Mud Resistivity (ohm.m) 0.09 @ 68F
 Filtrate Resistivity (ohm.m).. 0.09 @ 68F
 Filtrate Chlorides (ppm) 91000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 3217
 Gas Cushion Type
 Surface Pressure (psi)
 Liquid Cushion Type
 Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 5721 / 3.80
 Collar Length (ft)/I.D. (in).. 5079 / 2.25
 Packer Depths (ft) 6434, 6440
 Bottomhole Choke Size (in) ... 0.93
 Gauge Depth (ft)/Type 6446/MECH.

NET PIPE RECOVERY

Volume	Fluid Type	Properties
270 ft	GC DRLG. MUD	Rw0.09@68F 91000ppm

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
1.64 cuft	Gas	
150 cc	Mud	Rw0.09@68F 91000ppm

Pressure: 225 GOR: 0 GLR: 1737

INTERPRETATION RESULTS

Model of Behavior 2-PHI/DECR.WBS
 Fluid Type Used for Analysis.. GAS
 Reservoir Pressure (psi) 3017 @ 6446 Ft
 Transmissibility (md.ft/cp) .. 318.5
 Effective Permeability (md) .. 1.1
 Skin Factor 8.6
 Storativity Ratio, Omega 0.15
 Interporos.Flow Coef., Lambda.. 1.42E-4
 Radius of Investigation (ft).. 89

ROCK/FLUID/WELLBORE PROPERTIES

Gas Gravity 0.65
 LGR (STB/MMSCF) 0
 Water Cut (%) 0
 Viscosity (cp) 0.021
 Total Compressibility (1/psi). 1.998E-4
 Porosity (%) 10
 Reservoir Temperature (F) 118

PRODUCTION RATE DURING TEST: 390 MSCF/D Q-Last

COMMENTS:

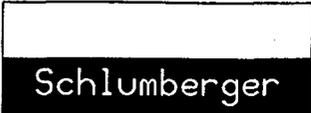
THIS TEST WAS MECHANICALLY SUCCESSFUL. THE ZONE FLOWED GAS TO SURFACE DURING THE DRILLSTEM TEST. THE FINAL SHUT-IN BUILDUP DATA WAS ANALYZED USING LOG-LOG ANALYSIS TECHNIQUES TO DETERMINE THE RESERVOIR BEHAVIOR MODEL AND RESERVOIR PARAMETERS OF P*, Kh/u, AND SKIN. ANALYSIS OF THE BUILDUP DATA INDICATES THE PRESENCE OF A DUAL-POROSITY (LAYERED OR NATURALLY FRACTURED) SYSTEM WITH SKIN AND DECREASING WELLBORE STORAGE IN EARLY TIME, TRANSITIONAL FLOW REGIME IN MID-TIME, AND INFINITE-ACTING RADIAL FLOW REGIME JUST BEGINNING IN LATE-TIME. THE DATA WAS MODEL-VERIFIED (tm) TO CONFIRM THE ACCURACY OF THE RESERVOIR MODEL CHOSEN, WITH EXCELLENT AGREEMENT BETWEEN THE THEORETICAL MODEL RESPONSE AND THE ACTUAL DATA. SEE ANALYSIS PLOTS (PAGES 3 - 5). THE ANALYSIS RESULTS SUGGEST THAT THE ZONE HAS GOOD EFFECTIVE PERMEABILITY AND WELLBORE DAMAGE IS PRESENT AT THE TIME AND CONDITIONS OF THE TEST. FOR QUESTIONS ABOUT THIS REPORT, PLEASE CONTACT DEBORA HALLFORD AT (303) 375-8118.

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CALCULATIONS
GAS WELL
LOG-LOG ANALYSIS



LOG [DELTA M(P)] VS. LOG (DELTA T) PLOT
WELLBORE STORAGE & SKIN
PD VS. TD/CD

DATA IDENTIFICATION

FLOW PERIOD * 17, BUILDUP
M(P) = 2.588E+06 PSI**2/CP @ DELTA T=0
FLOW RATE CHANGE = 389.70 MSCF/D

TYPE-CURVE MATCH

CURVE MATCH, CD*E (2S) = 2.125E+08
PRESSURE MATCH, PD/DELTA M(P) = 2.061E-08 1/(PSI**2/CP)
TIME MATCH, (TD/CD)/DELTA T = 782.86 1/HR

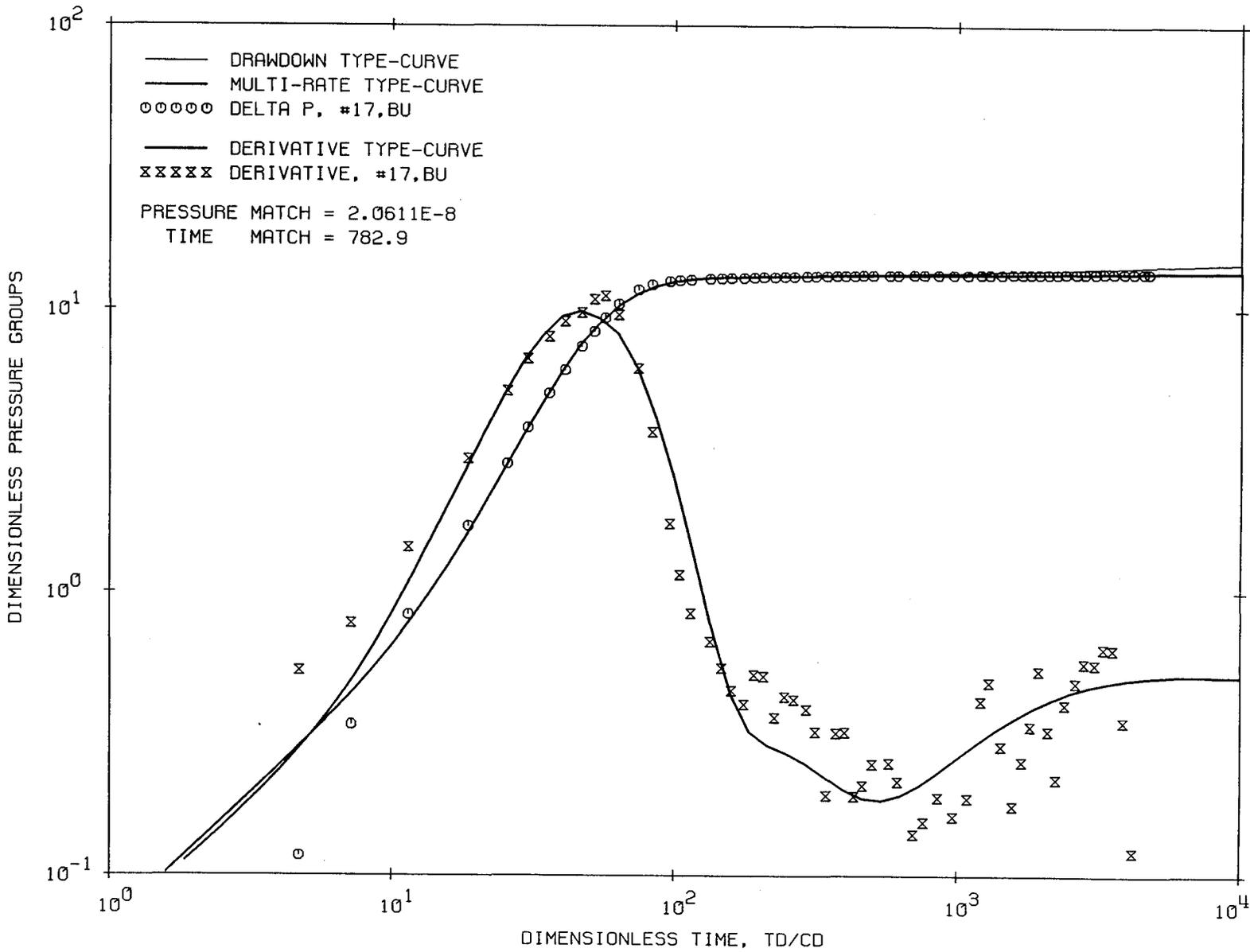
CALCULATIONS

KH 6.600 MD.FT
KH/MU 318.53 MD.FT/CP
K 1.100 MD
C 1.200E-04 BBL/PSI
CD 6.731
SKIN, S 8.634
RADIUS OF INVESTIGATION ... 89.067 FT (@ 3.55 HR)

COMMENTS

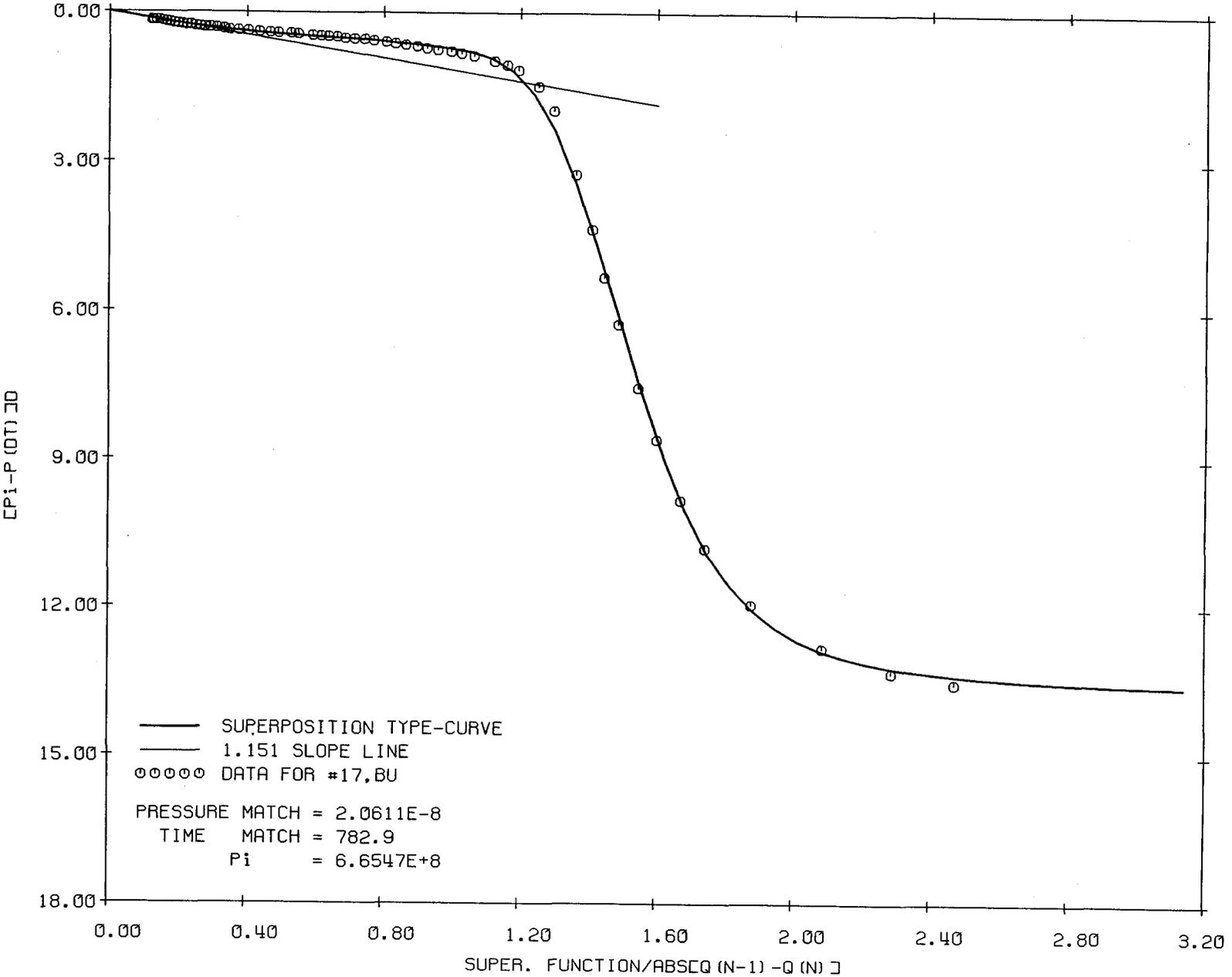
USING DUAL-POROSITY (PSS), SKIN AND DECREASING WELLBORE
STORAGE RESERVOIR MODEL; CaD/CD = 5.7, CoD = 29.7,
OMEGA = 0.151, LAM*E(-2S) = 4.49E-12

DIMENSIONLESS MULTI-RATE
PLOT: LOG-LOG MATCH FOR
#17, BU



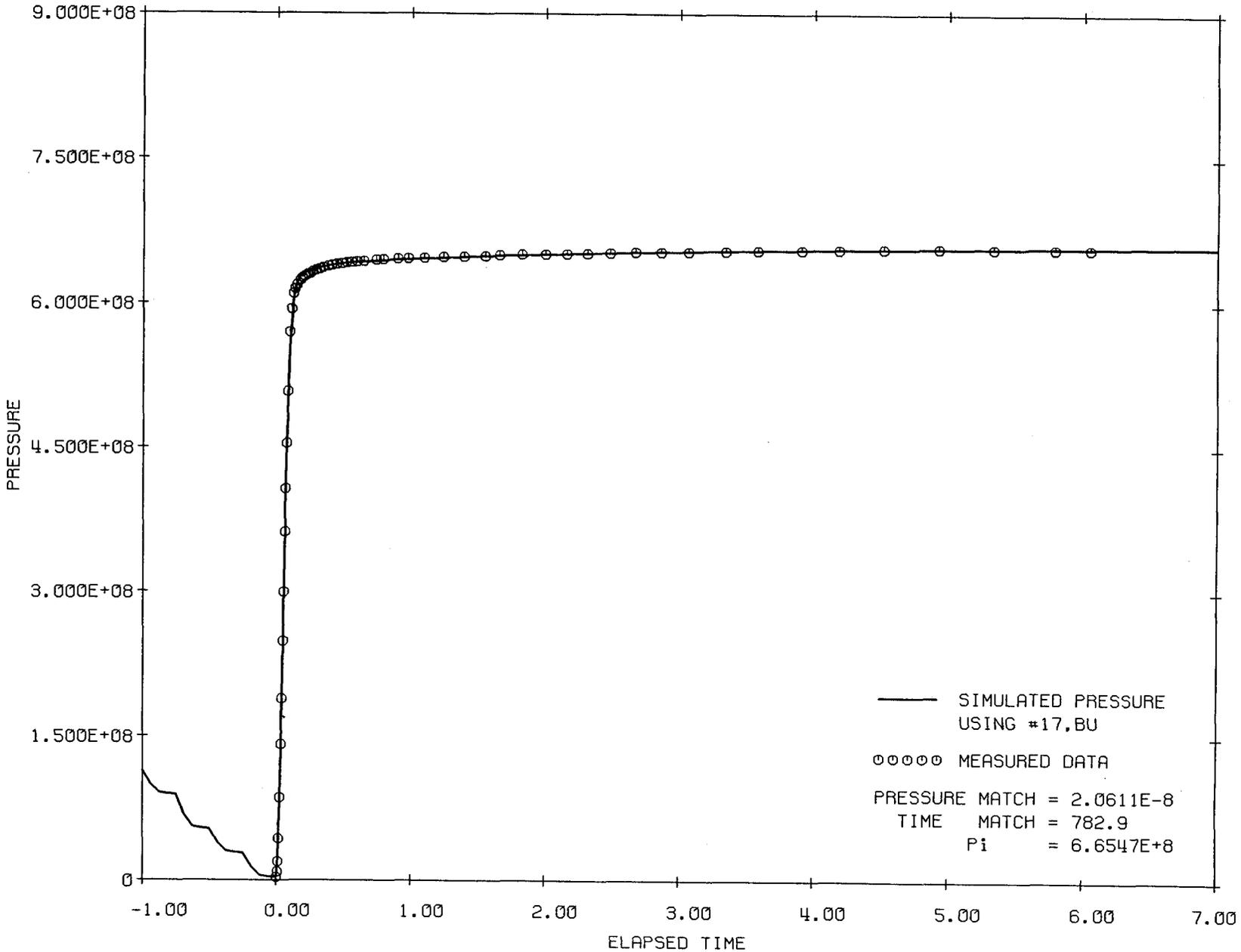
TYPE-CURVE : 2-POROSITY (PSS), DECREASING WELLBORE STORAGE
 $CD * E(2S) = 2.13E8$ $OMEGA = 1.51E-1$ $LAM * E(-2S) = 4.49E-12$ $CaD/CD = 5.72$

DIMENSIONLESS SUPERPOSITION
PLOT FOR
#17, BU



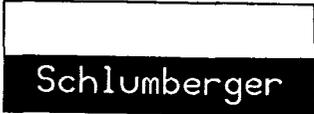
TYPE-CURVE : 2-POROSITY (PSS), DECREASING WELLBORE STORAGE
CD*E (2S) = 2.13E8 OMEGA = 1.51E-1 LAM*E (-2S) = 4.49E-12 CaD/CD = 5.72

PRESSURE HISTORY MATCH
SIMULATION



TYPE-CURVE : 2-POROSITY (PSS), DECREASING WELLBORE STORAGE
CD*E (2S) = 2.13E8 OMEGA = 1.51E-1 LAM*E (-2S) = 4.49E-12 CaD/CD = 5.72

FLOWRATE DATA
USED IN ANALYSIS
PENNZOIL COMPANY



ET VS. FLOWRATE

USING GAS SURFACE FLOWRATE DATA COMPUTED FROM SURF. PRESR. DATA
PENNZOIL - CORNABY 2-14A2 - DST #2 - BLUEBELL FORMATION

ET (HRS.)	SINCE FINAL BUILDUP	GAS FLOWRATE (MSCF/D)
1	-4.5500	43.700
2	-4.5000	0.00000E-01
3	-3.5000	47.600
4	-3.2500	65.800
5	-3.0000	84.900
6	-2.7500	104.00
7	-2.5000	130.50
8	-2.2500	157.00
9	-2.0000	186.40
10	-1.7500	215.84
11	-1.5000	362.50
12	-1.2500	328.50
13	-1.00000	342.10
14	-0.75000	362.50
15	-0.50000	376.10
16	-0.25000	389.70
17	0.00000E-01	0.00000E-01

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SEQUENCE OF EVENTS

Schlumberger

DATE	TIME (HR:MIN)	DESCRIPTION	ET (MINS)	BHP (PSIA)	WHP (PSIG)
31-MAY	09:19	SET PACKERS	-4	3217	
	09:23	START FLOW - 1/4" CHOKE	0	57	
	09:26	END FLOW & START SHUTIN	3	18	2
	10:26	END SHUTIN	63	2975	
	10:30	START FLOW - 1/4" CHOKE	67	104	
	10:35	GAS TO SURFACE - 43.7 MCFD	72		15
	10:40	48 MCFD	77		18
	10:45	51 MCFD	82		20
	11:00	66 MCFD	97		30
	11:15	85 MCFD	112		43
	11:30	104 MCFD	127		56
	11:45	131 MCFD	142		74
	12:00	157 MCFD	157		92
	12:15	186 MCFD	172		112
	12:30	216 MCFD - 3/8" CHOKE	187		132
	12:45	363 MCFD	202		92
	13:00	329 MCFD	217		82
	13:15	342 MCFD	232		86
	13:30	363 MCFD	247		92
	13:45	376 MCFD	262		96
	14:00	390 MCFD	277		100
	14:00	END FLOW & START SHUTIN	277	174	100
	20:00	END SHUTIN	637	2994	
	20:01	PULLED PACKERS LOOSE	638	3194	

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125165

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(2 copies)

PENNZOIL COMPANY
P.O. BOX 290
NEOLA, UT 84053
Attn: DANNY LAYMAN
(1 copy)

UTAH OIL, GAS & MINING
355 WEST NORTH TEMPLE
SUITE 350
SALT LAKE CITY, UT 84180
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PO BOX 540180
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BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 125165

COMPANY : PENNZOIL COMPANY

INSTRUMENT NO. 2051

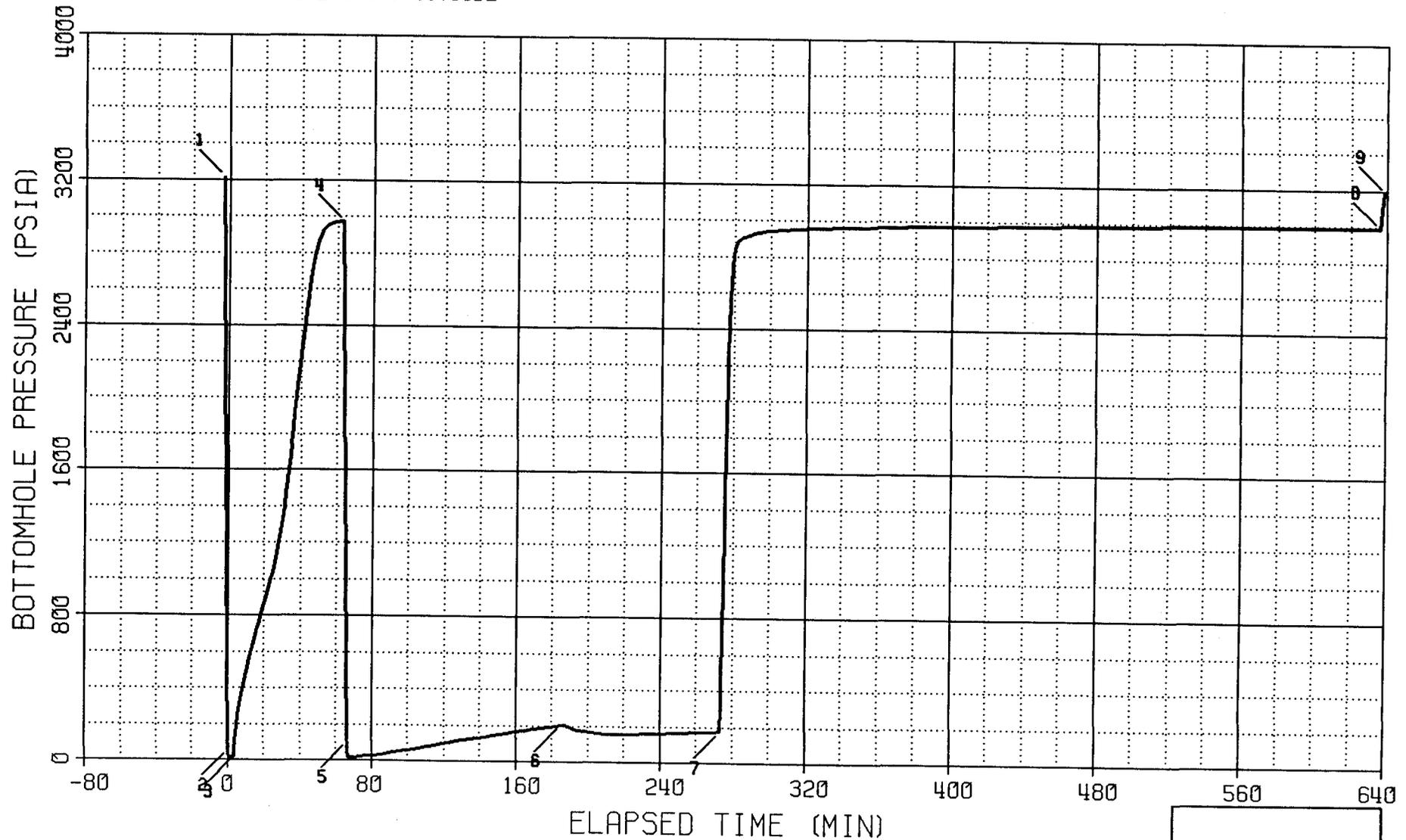
WELL : CORNABY 1-14A2

DEPTH : 6446 FT

CAPACITY : 6400 PSI

Mechanical Recorder Data

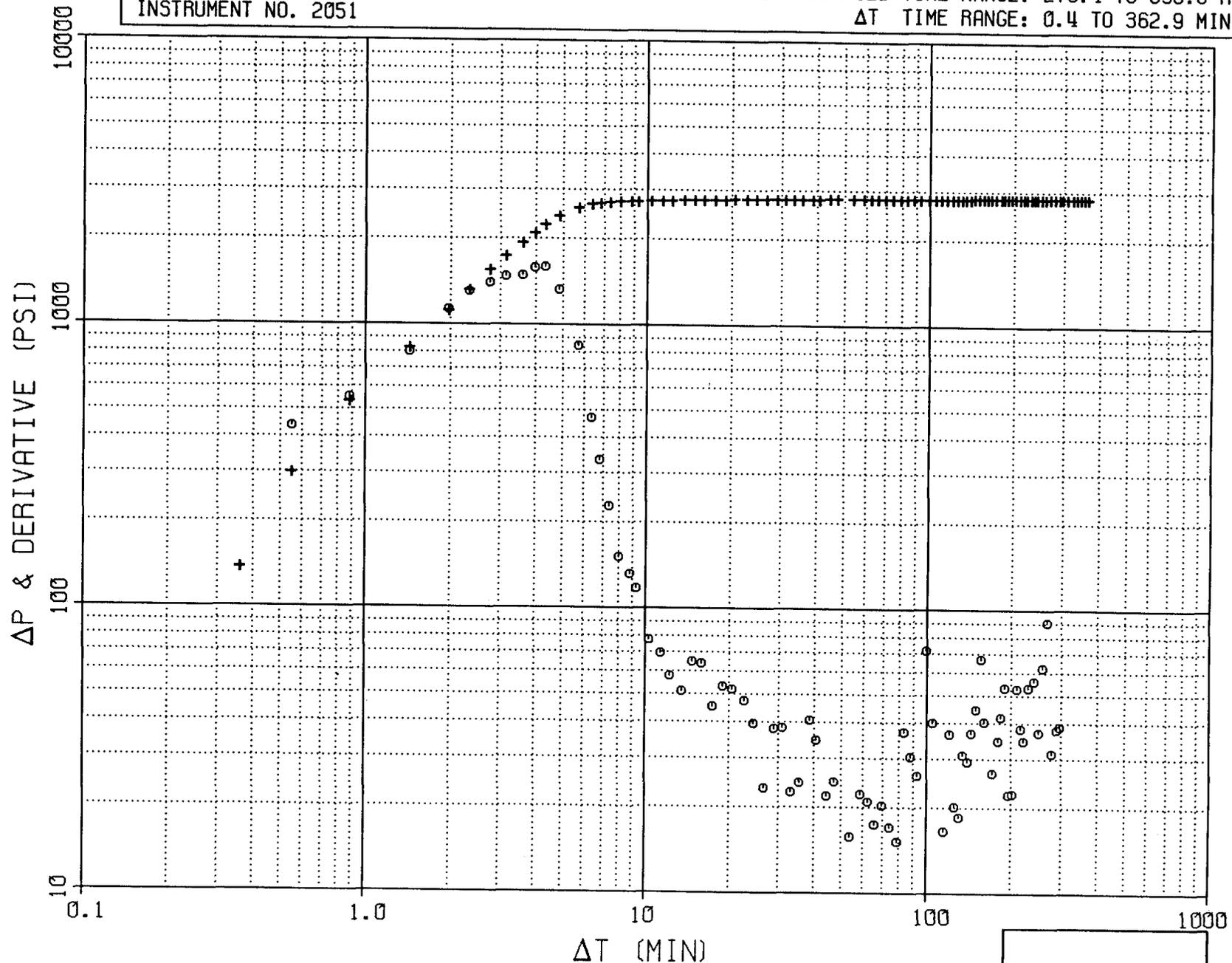
PORT OPENING : OUTSIDE



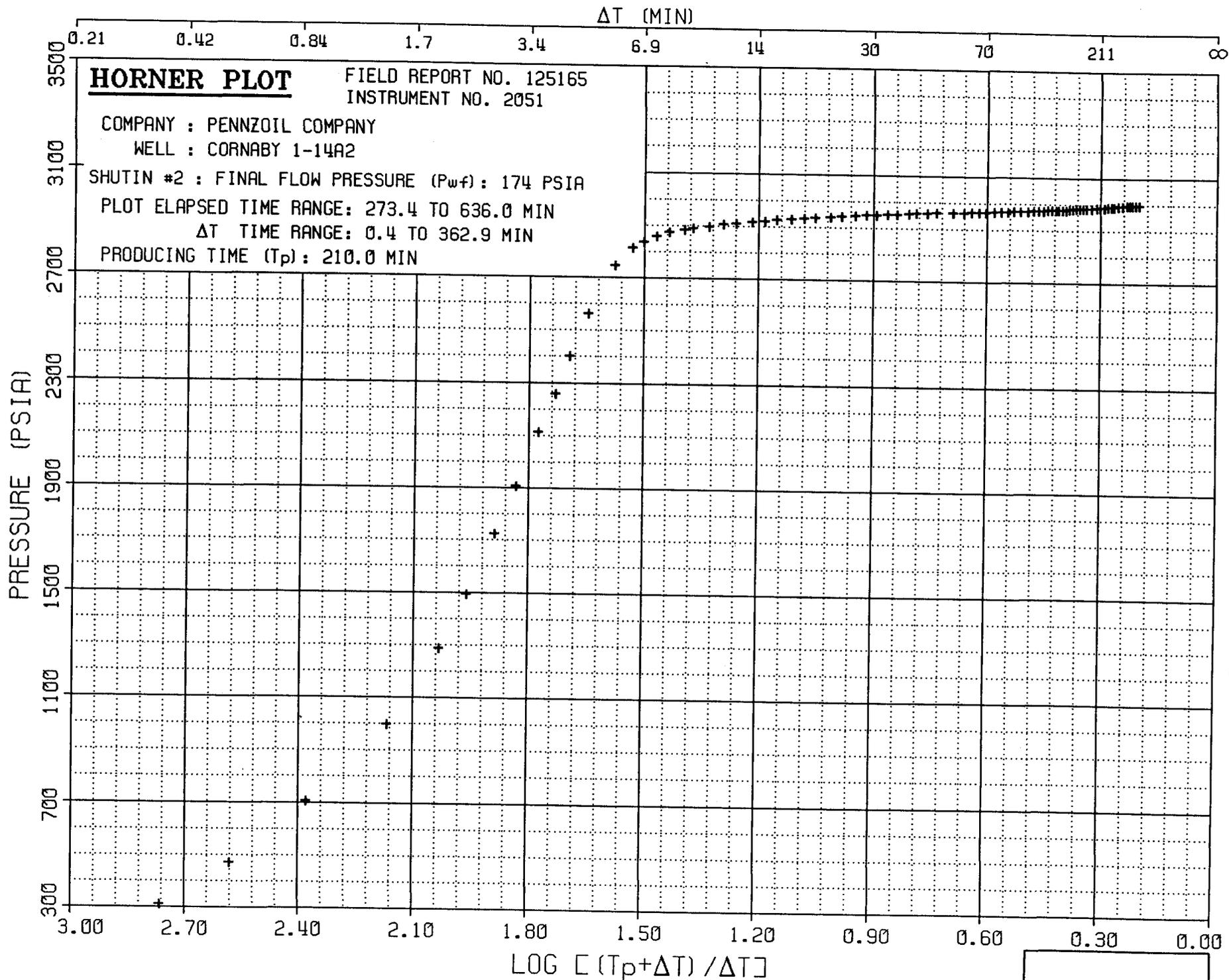
LOG LOG PLOT

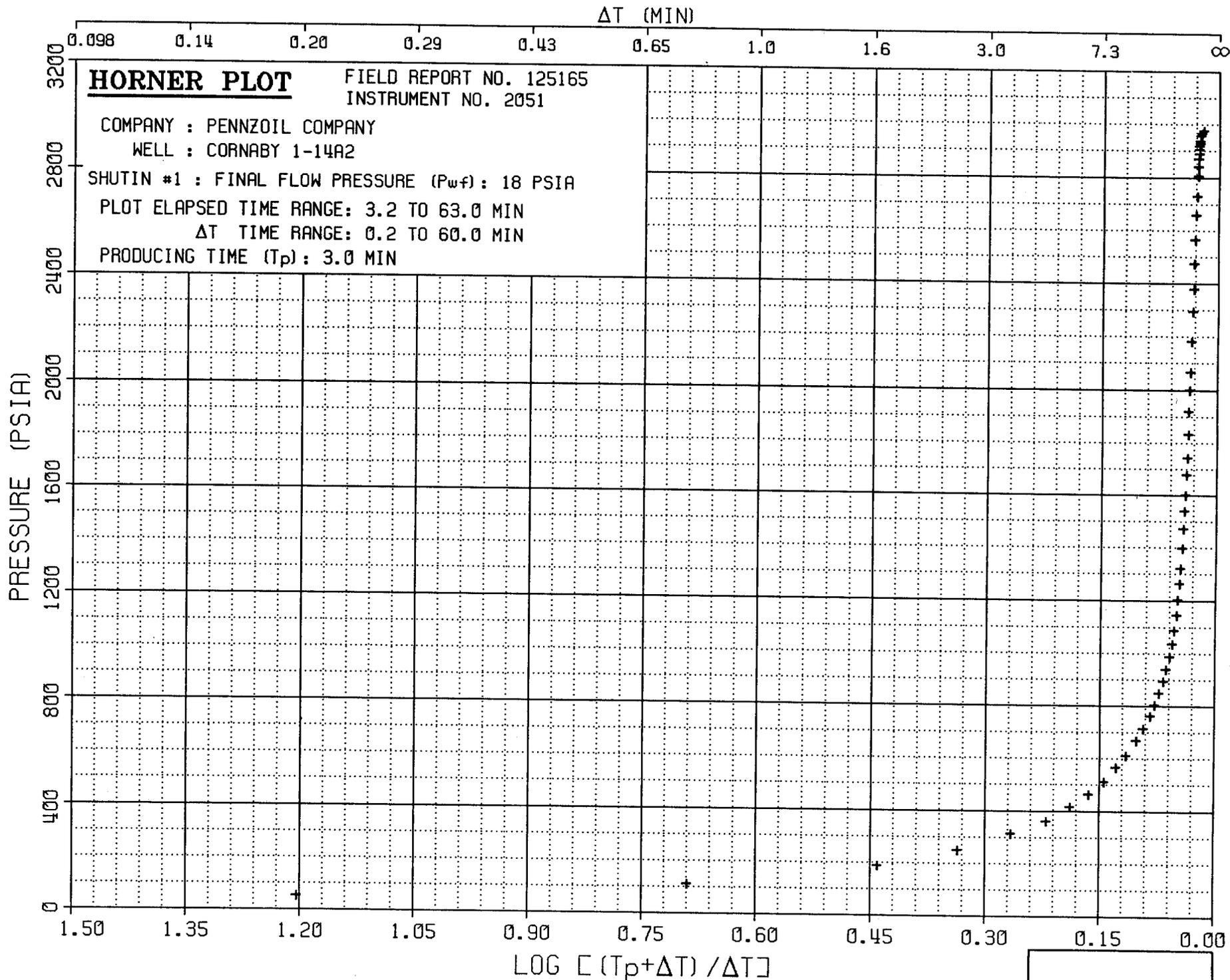
COMPANY : PENNZOIL COMPANY
WELL : CORNABY 1-14A2
FIELD REPORT NO. 125165
INSTRUMENT NO. 2051

SHUTIN #2 : PRODUCING TIME (T_p) : 210.0 MIN
FINAL FLOW PRESSURE (P_{wf}) : 174 PSIA
PLOT ELAPSED TIME RANGE: 273.4 TO 636.0 MIN
 ΔT TIME RANGE: 0.4 TO 362.9 MIN



Schlumberger





 ** WELL TEST DATA PRINTOUT **

COMPANY: PENNZOIL COMPANY
 WELL: CORNABY 1-14A2

FIELD REPORT NO. 125165
 INSTRUMENT NO. 2051

RECORDER CAPACITY: 6400 PSI PORT OPENING: OUTSIDE DEPTH: 6446 FT
 TEMPERATURE: 118 DEG F

LABEL POINT INFORMATION

#	TIME OF DAY HH:MM:SS	DATE DD-MMM	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE PRESSURE PSIA
1	9:19:34	31-MAY	HYDROSTATIC MUD	-3.44	3217
2	9:23:00	31-MAY	START FLOW	0.00	57
3	9:26:00	31-MAY	END FLOW & START SHUT-IN	3.00	18
4	10:26:00	31-MAY	END SHUT-IN	63.00	2975
5	10:29:02	31-MAY	START FLOW	66.03	104
6	12:27:46	31-MAY	CHANGED CHOKE	184.76	205
7	13:56:04	31-MAY	END FLOW & START SHUT-IN	273.06	174
8	19:59:00	31-MAY	END SHUT-IN	636.00	2994
9	20:01:34	31-MAY	HYDROSTATIC MUD	638.57	3194

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	INITIAL PRESSURE PSIA
1	0.00	3.00	3.00	57	18	57
2	66.03	273.06	207.03	104	174	104

SUMMARY OF SHUTIN PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLOW PRESSURE PSIA	PRODUCING TIME, MIN
1	3.00	63.00	60.00	18	2975	18	3.00
2	273.06	636.00	362.94	174	2994	174	210.03

TEST PHASE: FLOW PERIOD # 1

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
9:23:00	31-MAY	0.00	0.00	57
9:26:00	31-MAY	3.00	3.00	18

TEST PHASE: SHUTIN PERIOD # 1 FINAL FLOW PRESSURE - 18 PSIA
 PRODUCING TIME - 3.00 MIN

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
9:26:00	31-MAY	3.00	0.00	18	0	
9:27:42	31-MAY	4.70	1.70	188	170	0.4416
9:29:32	31-MAY	6.54	3.54	312	293	0.2666
9:30:32	31-MAY	7.54	4.54	361	343	0.2203
9:32:30	31-MAY	9.50	6.50	462	444	0.1648
9:33:35	31-MAY	10.58	7.58	511	493	0.1448
9:34:43	31-MAY	11.72	8.72	566	547	0.1284
9:35:51	31-MAY	12.85	9.85	609	591	0.1155
9:37:20	31-MAY	14.34	11.34	667	649	0.1019
9:39:59	31-MAY	16.98	13.98	761	743	0.0844
9:42:22	31-MAY	19.37	16.37	849	831	0.0731
9:44:55	31-MAY	21.91	18.91	939	921	0.0640
9:47:23	31-MAY	24.39	21.39	1035	1017	0.0570
9:49:45	31-MAY	26.75	23.75	1144	1126	0.0517
9:51:47	31-MAY	28.78	25.78	1261	1243	0.0478
9:54:38	31-MAY	31.64	28.64	1472	1454	0.0433
9:57:01	31-MAY	34.01	31.01	1677	1659	0.0401
10:02:13	31-MAY	39.21	36.21	2182	2164	0.0346
10:07:59	31-MAY	44.98	41.98	2655	2637	0.0300
10:13:32	31-MAY	50.54	47.54	2903	2885	0.0266
10:18:49	31-MAY	55.81	52.81	2962	2944	0.0240
10:24:27	31-MAY	61.45	58.45	2974	2956	0.0217
10:26:00	31-MAY	63.00	60.00	2975	2957	0.0212

TEST PHASE: FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
10:29:02	31-MAY	66.03	0.00	104
10:47:58	31-MAY	84.97	18.94	34
11:06:01	31-MAY	103.01	36.98	65
11:21:30	31-MAY	118.50	52.47	94
11:37:26	31-MAY	134.44	68.41	122
11:53:45	31-MAY	150.75	84.72	150
12:12:23	31-MAY	169.39	103.36	180
12:27:44	31-MAY	184.74	118.71	205
12:44:41	31-MAY	201.69	135.66	163
13:02:07	31-MAY	219.12	153.09	156
13:20:08	31-MAY	237.13	171.10	158

TEST PHASE: FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
13:37:16	31-MAY	254.27	188.24	166
13:56:04	31-MAY	273.06	207.03	174

TEST PHASE: SHUTIN PERIOD # 2

FINAL FLOW PRESSURE = 174 PSIA
 PRODUCING TIME = 210.03 MIN

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
13:56:04	31-MAY	273.06	0.00	174	0	
13:57:29	31-MAY	274.49	1.43	997	823	2.1699
13:58:49	31-MAY	275.81	2.75	1724	1549	1.8886
14:00:02	31-MAY	277.03	3.97	2257	2082	1.7316
14:01:46	31-MAY	278.76	5.70	2744	2569	1.5780
14:02:52	31-MAY	279.87	6.81	2837	2662	1.5030
14:04:04	31-MAY	281.07	8.01	2872	2698	1.4349
14:05:20	31-MAY	282.33	9.27	2890	2715	1.3740
14:06:20	31-MAY	283.34	10.28	2897	2723	1.3310
14:09:36	31-MAY	286.60	13.54	2914	2740	1.2178
14:11:57	31-MAY	288.95	15.89	2924	2749	1.1528
14:14:58	31-MAY	291.97	18.91	2931	2757	1.0830
14:18:39	31-MAY	295.65	22.59	2939	2764	1.0127
14:22:37	31-MAY	299.61	26.55	2944	2770	0.9499
14:24:48	31-MAY	301.80	28.74	2946	2771	0.9195
14:26:53	31-MAY	303.88	30.82	2949	2775	0.8929
14:34:34	31-MAY	311.56	38.50	2954	2779	0.8099
14:40:13	31-MAY	317.22	44.16	2957	2783	0.7601
14:49:49	31-MAY	326.82	53.76	2961	2786	0.6908
14:58:04	31-MAY	335.07	62.01	2963	2788	0.6422
15:05:47	31-MAY	342.79	69.73	2964	2790	0.6034
15:14:59	31-MAY	351.98	78.92	2966	2792	0.5636
15:23:32	31-MAY	360.53	87.47	2969	2794	0.5316
15:29:01	31-MAY	366.01	92.95	2969	2794	0.5132
15:35:31	31-MAY	372.51	99.45	2971	2797	0.4930
15:40:35	31-MAY	377.59	104.53	2974	2800	0.4785
15:50:46	31-MAY	387.76	114.70	2974	2800	0.4520
15:56:08	31-MAY	393.14	120.08	2975	2800	0.4392
16:05:37	31-MAY	402.62	129.56	2976	2801	0.4185
16:14:43	31-MAY	411.72	138.66	2977	2803	0.4005
16:24:59	31-MAY	421.98	148.92	2979	2804	0.3821
16:30:25	31-MAY	427.42	154.36	2980	2805	0.3730
16:36:16	31-MAY	433.26	160.20	2982	2807	0.3638
16:41:22	31-MAY	438.36	165.30	2982	2807	0.3561
16:47:42	31-MAY	444.70	171.64	2982	2807	0.3471
16:55:01	31-MAY	452.02	178.96	2983	2808	0.3372
17:00:02	31-MAY	457.03	183.97	2983	2809	0.3307
17:16:26	31-MAY	473.43	200.37	2985	2810	0.3114
17:36:10	31-MAY	493.16	220.10	2987	2812	0.2910
17:56:01	31-MAY	513.01	239.95	2989	2815	0.2731
18:13:05	31-MAY	530.08	257.02	2990	2816	0.2594

TEST PHASE: SHUTIN PERIOD # 2

FINAL FLOW PRESSURE - 174 PSIA
PRODUCING TIME - 210.03 MIN

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
18:34:40	31-MAY	551.67	278.61	2994	2819	0.2440
18:51:50	31-MAY	568.84	295.78	2994	2820	0.2330
19:09:58	31-MAY	586.96	313.90	2994	2820	0.2225
19:27:05	31-MAY	604.08	331.02	2994	2820	0.2134
19:43:22	31-MAY	620.36	347.30	2994	2820	0.2054
19:59:00	31-MAY	636.00	362.94	2994	2820	0.1983

 **PENNZOIL EXPLORATION AND PRODUCTION COMPANY**

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353-4397

May 28, 1991

State of Utah, Dept. of Natural Resources
Division of Oil, Gas, and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
ATTN: Frank Matthews

RE: Sundry Notice and Report Of Water Encountered.
Cornaby ²/₂-14A2
NENE 1157' FNL & 660' FEL
Sec. 14 T1S R2W
Duchesne County, Utah
API No: 43-013-31299

Gentlemen:

Enclosed, please find three copies of your Form OGC-1b "Sundry Notices & Report On Wells" and your Form 7 "Report Of Water Encountered During Drilling" for the Cornaby ²/₂-14A2.

Please contact the undersigned if there should be any question.
(801) 353-4397

Sincerely
PENNZOIL EXPLORATION AND PRODUCTION COMPANY


Danny L. Laman

Enclosure

RECEIVED

MAY 29 1991

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO. Fee Land
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Cornaby 2-14A2
9. WELL NO. 2-14A2
10. FIELD AND POOL, OR WILDCAT Lower Green River Oil
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14 T1S R2W
12. COUNTY OR PARISH Duchesne
13. STATE Utah

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. NAME OF OPERATOR PENNZOIL EXPLORATION AND PRODUCTION COMPANY
3. ADDRESS OF OPERATOR P. O. BOX 290 NEOLA, UTAH 84053
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NENE 1157' FNL & 660' FEL
14. PERMIT NO. 43-013-31299
15. ELEVATIONS (Show whether OF, RT, GR, etc.) KB 5699'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Surface Casing Depth Change</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

- Pennzoil request to set 9 5/8" Surface Casing at 3300'.
- Authorization was given by phone from Frank Matthews on 5-20-91.

RECEIVED

MAY 29 1991

APPROVED BY THE STATE
DIVISION OF
OIL, GAS, AND MINING

DATE: 6-3-91
BY: Frank Matthews

Danny L. Laman Office: (801) 353-4397 Home (801) 789-7033

18. I hereby certify that the foregoing is true and correct

SIGNED Danny L. Laman TITLE Area Drilling Sup. DATE 5-28-91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL Fee Land
2. NAME OF OPERATOR Pennzoil Exploration and Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE
3. ADDRESS OF OPERATOR P. O. Box 290; Neola, Utah 84053		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1157' FNL and 660' FEL (NE NE)		8. FARM OR LEASE NAME Cornaby
14. PERMIT NO. API 43-013-31299	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5699' (KB)	9. WELL NO. 2-14A2
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Bluebell-Wasatch
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and completion of proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 14, T1S, R2W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS
Set Casing

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

- Pennzoil requests to set 7" 23# casing at 8550'.
- Verbal approval was granted by Frank Matthews, DOGM, on 6/7/91.

RECEIVED

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DIVISION OF OIL, GAS & MINING
DATE: 6-24-91
BY: Frank Matthews

18. I hereby certify that the foregoing is true and correct

SIGNED SR Lamb TITLE Petroleum Engineer DATE 6/10/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING INSPECTION FORM

COMPANY: PENNZOIL EXPL & PROD. CO. COMPANY REP: JACK PARROTT

WELL NAME: CORNABY 2-14A2 API NO: 43-013-31299

QTR/QTR: _____ SECTION: 14 TWP: 1 S RANGE: 2 W

CONTRACTOR: GRACE DRILLING RIG NUMBER: 181

INSPECTOR: BERRIER TIME: _____ DATE: 6/13/91

OPERATIONS: RIG IS IDLE STILL ON LOCATION DEPTH: UNKNOWN

SPUD DATE: DRY: _____ ROTARY: _____ T.D.: UNKNOWN DEPTH: UNKNOWN

=====

WELL SIGN: Y SANITATION: Y BOPE: _____ BLOOIE LINE: _____

H2S POTENTIAL: N ENVIRONMENTAL: Y FLARE PIT: Y

RESERVE PIT: Y FENCED: Y LINED: Y PLASTIC: Y

RUBBER: _____ BENTONITE: _____ OTHER: _____

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: _____

BOPE TRAINING RECORDED IN THE RIG DAILY TOUR BOOK: _____

=====

LEGEND: (Y)=YES (U)=UNKNOWN (NA)=NOT APPLICABLE

=====

REMARKS:

RIG IS LAID OVER, NO ACTIVITY AT THE WELL SITE. (ONE ONE) AROUND.



CORE LABORATORIES

GAS ANALYSIS

for

Pennzoil Company

Cornaby No. 2-14A2 Well

DST No. 1

Duchesne County, Utah

File Number: ARFL-910049

43-013-31299 Sec. 14 T. 15, R. 2W

RECEIVED

JUN 13 1991

DIVISION OF
OIL GAS & MINING

HYDROCARBON ANALYSIS OF DST GAS SAMPLE

<u>Component</u>	<u>Mol Percent</u>	<u>GPM</u>
Hydrogen Sulfide	0.00	
Carbon Dioxide	0.14	
Nitrogen	0.82	
Methane	94.86	
Ethane	1.22	0.326
Propane	1.21	0.333
iso-Butane	0.64	0.209
n-Butane	0.38	0.120
iso-Pentane	0.27	0.099
n-Pentane	0.11	0.040
Hexanes	0.17	0.066
Heptanes plus	<u>0.18</u>	<u>0.077</u>
	100.00	1.270

Calculated gas gravity (air=1000) = 0.608

Calculated gross heating value = 1079 BTU per
cubic foot of dry gas @ 14.73 psia and 60°F.

Cylinder number: 1

Laboratory opening pressure = 82 psig and 74°F.



CORE LABORATORIES

June 11, 1991

Pennzoil Company
P. O. Box 2967 - 27th Floor
Houston, TX 77252-2967

Attn: Mr. Greg Stevens

Subject:
Gas Analysis
DST No. 1
Cornaby No. 2-14A2 Well
Duchesne County, Utah
File Number: ARFL-910049

Gentlemen:

On June 7, 1991 a single DST gas from the subject was delivered to our Aurora laboratory for chromatographic analysis. The results of the analysis are presented in this report.

The composition of the gas was measured through hexanes with a heptanes plus fraction by routine chromatography. The results of the compositional analysis may be found on page one.

Thank you for the opportunity to perform this compositional study for Pennzoil Company. Should you have any questions pertaining to these test results or if we may be of further assistance, please do not hesitate to contact us at (303) 751-9334.

Very truly yours,


Eric J. DiEsposti
Reservoir Fluid Supervisor

EJD/tb
2 cc addressee

CONFIDENTIAL



PENNZOIL EXPLORATION AND PRODUCTION COMPANY

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353 - 4397

June 13, 1991

State of Utah, Dept. of Natural Resources
Division of Oil, Gas, and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

JUN 14 1991

DIVISION OF
OIL GAS & MINING

Re: Monthly Drilling Reports
Cornaby 2-14A2
NENE Sec. 14, T&S R2W
Duchesne County, Utah
API No. 43-013-31299

Gentlemen:

Enclosed, please find the original and three (2) copies of your Form 5 "Sundry Notices & Reports On Wells" for the captioned well. Pennzoil Exploration and Production Company requests these Form 5 and all related information submitted on this well be held CONFIDENTIAL for that period of time permitted by regulations and law.

Please contact the undersigned if there should be any question.
(801) 353-4397

Sincerely
Pennzoil Exploration and Production Company

D.R. Lankford

D.R. Lankford

Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

CONFIDENTIAL

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3. ADDRESS OF OPERATOR P.O. Box 290; Neola, Utah 84053		7. UNIT AGREEMENT NAME
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14. PERMIT NO. API 43-013-31299		9. WELL NO. 2-14A2
15. ELEVATIONS (Show whether DV, RT, GR, etc.) 5699' (KB)		10. FIELD AND POOL, OR WILDCAT Bluebell-Green River
		11. SEC., T., R., M., OR BLK. AND SURVEY OR ABRA Sec. 14, T1S, R2W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	Monthly Operations Report <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- Spud at 1:00 PM on 5/8/91 with Martin Rathole Machine
- Set 63' of 14" conductor. Cemented to surface with 245 class "G" cement.
- MIRU Grace rig 181. Spud 6:00 AM 5/12/91
- Drill 12 1/4" hole to 3300' TD with 10.1 ppg., 38 vis. mud Encountered water flows at 912' and 2264'-2279'
- Ran 77 jnts. 9 5/8" 36# S-80 & K-55 STC casing to 3300' Cemented with 490 sx DS'HiLift" cement and 200 sx class "G" Displaced with 254 bbl water. Circ. 75 bbl cement to surface.
- Nipple up BOP's. Test BOP's to 3000 psi. Test 9 5/8' casing to 1500 psi. O.K.
- Drill to 3315'. Test formation to 12 ppg EMW. No leak off.
- Drill 8 3/4" hole to 8550' TD with normal drilling problems. Final mud wt.: 9.2 ppg., 35 vis., 112,000 ppm. Cl
- Ran DST at interval 6441'-6468'. See Attachment.
- Ran logs DLL-LSS-FACT-GR from 8550' to Surface. Ran logs SDL-DSN-CSNG from 8550' to 6000'.
- Ran 195 jnts. 7" 23# S-95 casing t 8550' and cemented with 740 sx. DS'HiLift' cement followed with 725 sx. 50/50 Poz-mix Displaced with 337 bbl fresh water. Good returns throughout job. Bumped plug with 1800 psi 7:00 PM 6/10/91.
- Nipple up tubing spool. Pressure test to 2500 psi. O.K.
- Release rig 3:30 AM 6/11/91.

RECEIVED

JUN 14 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED DR Lambard TITLE Petroleum Engineer DATE 6/13/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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<p>14. PERMIT NO. API 43-013-31299</p>	<p>15. ELEVATIONS (Show whether OF, RT, GR, etc.) 5699' (KB)</p>	

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:

<p>TEST WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREAT <input type="checkbox"/></p> <p>SHOOT OR ACIDIZE <input type="checkbox"/></p> <p>REPAIR WELL <input type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p>	<p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>MULTIPLE COMPLETE <input type="checkbox"/></p> <p>ABANDON* <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p>
---	--

SUBSEQUENT REPORT OF:

<p>WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREATMENT <input type="checkbox"/></p> <p>SHOOTING OR ACIDIZING <input type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p>	<p>REPAIRING WELL <input type="checkbox"/></p> <p>ALTERING CASING <input type="checkbox"/></p> <p>ABANDONMENT* <input type="checkbox"/></p> <p>Monthly Operations Report <input checked="" type="checkbox"/></p>
---	--

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log (orm.)

17. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)***

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- Nipple up BOP's. Test BOP's to 3000 psi. Test 9 5/8' casing to 1500 psi. O.K.
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- Ran DST at interval 6441'-6468'. See Attachment.
- Ran logs DLL-LSS-FACT-GR from 8550' to Surface. Ran logs SDL-DSN-CSNG from 8550' to 6000'.
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- Nipple up tubing spool. Pressure test to 2500 psi. O.K.
- Release rig 3:30 AM 6/11/91.

RECEIVED
JUN 14 1991
DIVISION OF OIL GAS & MINING

18. **I hereby certify that the foregoing is true and correct**

SIGNED DR Lamb TITLE Petroleum Engineer DATE 6/13/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

WELL OWNER: PENNZOIL

SERVICE ORDER NUMBER: 125165

REPORTS ADDRESS:

WELL NAME & NO.: CORNABY 2-14A2

FIELD: BLUEBELL

LEASE:

LOCATION: 14-T1S-R2W

COUNTY: DUCHANE COUNTY

STATE: UTAH

ONSHORE OFFSHORE INLAND WATERS WILDCAT DEVELOPMENT PRODUCTION

TEST NO. 2 TEST INTERVAL FROM 6441 ~~6441~~ FT TO 6468 ~~6468~~ FT = 27 FT

SURFACE DATA						EQUIPMENT SEQUENCE					
DESCRIPTION	DATE	TIME OF DAY	PRESS PSIG	SURFACE CHOKE	PRESS IN-H ₂ O	COMPONENTS	SERIAL#	OD	ID	LENGTH	DEPTH
Hydrostatic Mud	31-MAY	09:19				DRILL PIPE		4.5	3.80	5721	
START FLOW 2" BLOW IN H ₂ O		09:23				DRILL COLLARS		6.0	2.25	4895	
END FLOW & START SHUTIN		09:26	2			REVERSE CIRC SUB		6.0	3.25	1.16	
END SHUTIN		10:26				DRILL COLLARS		6.0	2.25	92.00	
START FLOW B OF BUCKET		10:30				REVERSE CIRC SUB		6.0	3.25	1.16	
GAS TO SERVICE 4.1 MCF		10:35	15			DRILL COLLARS		6.0	2.25	92.00	
45 MCF		10:40	18			X-OVER		5.75	2.25	.59	
49 MCF		10:45	20			MFE		5.0	1.0	12.62	
62 MCF		11:00	30			BYPASS		5.0	1.0	2.97	
80 MCF		11:15	43			RECORDER		4.875	1.18	6.0	6413
100 MCF		11:30	56			JARS		4.75	1.875	7.31	
125 MCF		11:45	74			SAFETY JOINT		4.75	2.25	1.97	
152 MCF		12:00	92			SAFETY SEAL		6.625	1.50	4.92	
180 MCF		12:15	112			PACKER		8.0	1.50	4.18	6436
205 MCF CHOKE CHANGE 3/8"		12:30	132			PACKER		8.0	1.50	6.13	6442
350 MCF		12:45	92			PERF		4.75	2.25	5.0	
310 MCF		13:00	82			RECORDER		4.875	1.18	6.0	6448
325 MCF		13:15	86			PERF		4.75	2.25	15.65	
350 MCF		13:30	92								
360 MCF		13:45	96								
370 MCF		14:00	100								
END FLOW & START SHUTIN		14:00	100								
END SHUTIN		20:00									
PULLED LOOSE		20:01									

CUSHION	LENGTH	AMOUNT	SURFACE PRESS	CUSHION TYPE	BOT. CHOKE SIZE
	-0-ft		-0- psi	NONE	9375

WELL BORE DATA

FORMATION TESTED green river					
NET PRODUCTIVE INTERVAL 6			ft EST. POROSITY 10 %		
ELEVATION			ft DEPTH MEASURED FROM KB		
TOTAL MEASURED DEPTH 6470			ft		
O H SIZE 8.75			in		
CASING SIZE			LINER SIZE		
PERF INTERVAL FROM			ft TO ft		
SHOT DENSITY			TOTAL SHOTS OVER/UNDER BALANCE PRESS psi		

SAMPLER DATA

RECOVERY 2500 cc	RESISTIVITY	CHL CONTENT
U. FT. GAS 1.64	RECOVERED WATER @ °F	PPM
C. OIL 0	RECOVERED MUD .09 @ 68 °F	PPM
C. WATER 0	REC. MUD FILTRATE .09 @ 68 °F	91000 PPM
C. MUD 150	PIT MUD .09 @ 68 °F	91000 PPM
GRAVITY °API °F	PIT MUD FILTRATE .09 @ 68 °F	91000 PPM
OR CU. FT/BBL.	SAMPLER PRESSURE 225 psig	

MUD DATA

MUD TYPE SALT WATER	MUD WT 9.3	#/gal
VISCOSITY 36	WATER LOSS N/A	CC
RESISTIVITY: OF MUD .09 @ 68 °F	OF FILTRATE .09 @ 68 °F	
CHORIDES 91000	PPM	
H ₂ S DURING TEST NONE	PPM	

INSTRUMENT DATA

INSTRUMENT NO.	1401	2051
DEPTH (P.S.I.G.)	6400	6400
DEPTH	6413	6448
DEPTH-OUTSIDE	IN	OUT
DEPTH CAP	48	48
DEPTH °F	118	118
DEPTH P.S.I.G.	3263	3275
DEPTH P.S.I.G.	68 to 69	75 to 75
DEPTH P.S.I.G.	2948	2961
DEPTH P.S.I.G.		
DEPTH P.S.I.G.		
DEPTH P.S.I.G.	68 to 168	75 to 175
DEPTH P.S.I.G.	3003	3025
DEPTH P.S.I.G.	3200	3212

REMARKS:

RECOVERY DESCRIPTION	FEET	BBLS	% OIL	% WATER	% CUSHION	% MUD	% OTHER	API GRAV	RESIST	CHL PPM
drilling mud								°F	°F	
gas cut	270							.09 °F	.09 °F	91000
total bbls	1.323							.09 °F	.09 °F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	



FIELD REPO

TYPE OF SERVICE mfe-oh	DATE 31-may-1991	DISTRICT VERNAL
---------------------------	---------------------	--------------------

WELL OWNER: PENNZOIL SERVICE ORDER NUMBER: 125165

REPORTS ADDRESS:

WELL NAME & NO.: CORNABY 2-14A2 FIELD: BLUEBELL LEASE:

LOCATION: 14-T1S-R2W COUNTY: DUCHANE COUNTY STATE: UTAH

ONSHORE OFFSHORE INLAND WATERS WILDCAT DEVELOPMENT PRODUCTION

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END FLOW & START SHUTIN		09:26	2			REVERSE CIRC SUB		6.0	3.25	1.16	
END SHUTIN		10:26				DRILL COLLARS		6.0	2.25	92.00	
START FLOW B OF BUCKET		10:30				REVERSE CIRC SUB		6.0	3.25	1.16	
GAS TO SERVICE 4.1 MCF		10:35	15			DRILL COLLARS		6.0	2.25	92.00	
45 MCF		10:40	18			X-OVER		5.75	2.25	.59	
49 MCF		10:45	20			MFE		5.0	1.0	12.62	
62 MCF		11:00	30			BYPASS		5.0	1.0	2.97	
80 MCF		11:15	43			RECORDER		4.875	1.18	6.0	6413
100 MCF		11:30	56			JARS		4.75	1.875	7.31	
125 MCF		11:45	74			SAFETY JOINT		4.75	2.25	1.97	
152 MCF		12:00	92			SAFETY SEAL		6.625	1.50	4.92	
180 MCF		12:15	112			PACKER		8.0	1.50	4.18	6436
205 MCF CHOKE CHANGE 3/8"		12:30	132			PACKER		8.0	1.50	6.13	6442
350 MCF		12:45	92			PERF		4.75	2.25	5.0	
310 MCF		13:00	82			RECORDER		4.875	1.18	6.0	6448
325 MCF		13:15	86			PERF		4.75	2.25	15.65	
350 MCF		13:30	92								
360 MCF		13:45	96								
370 MCF		14:00	100								
END FLOW & START SHUTIN		14:00	100								
END SHUTIN		20:00									
PULLED LOOSE		20:01									

CUSHION LENGTH AMOUNT SURFACE PRESS CUSHION TYPE BOT. CHOKE SIZE

-0-ft -0- psi NONE 9375

WELL BORE DATA

FORMATION TESTED green river

NET PRODUCTIVE INTERVAL 6 ft EST. POROSITY 10 %

ELEVATION ft DEPTH MEASURED FROM KB

TOTAL MEASURED DEPTH 6470 ft

O H SIZE 8.75 in

CASING SIZE

LINER SIZE

PERF INTERVAL FROM ft TO ft

SHOT DENSITY

TOTAL SHOTS OVER/UNDER BALANCE PRESS psi

SAMPLER DATA

RECOVERY 2500 cc

U. FT. GAS	1.64	RECOVERED WATER @ °F	CHL CONTENT PPM
C. OIL	0	RECOVERED MUD <u>.09 @ 68</u> °F	PPM
C. WATER	0	REC. MUD FILTRATE <u>.09 @ 68</u> °F	91000 PPM
C. MUD	150	PIT MUD <u>.09 @ 68</u> °F	PPM
GRAVITY °API	°F	PIT MUD FILTRATE <u>.09 @ 68</u> °F	91000 PPM
OR CU. FT/BBL.		SAMPLER PRESSURE <u>225</u> psig	PPM

INSTRUMENT DATA

INSTRUMENT NO.	1401	2051		
ACTIVITY (P.S.I.G.)	6400	6400		
DEPTH	6413	6448		
DE-OUTSIDE	IN	OUT		
CHECK CAP	48	48		
TEMPERATURE °F	118	118		
FLOW P.S.I.G.	3263	3275		
LOW P.S.I.G.	68 to 69	75 to 75		
HIGH P.S.I.G.	2948	2961		
FLOW P.S.I.G.				
S.I. P.S.I.G.				
LOW P.S.I.G.	68 to 168	75 to 175		
HIGH P.S.I.G.	3003	3025		
YD. P.S.I.G.	3260	3212		

MUD DATA

MUD TYPE SALT WATER MUD WT 9.3 #/gal

VISCOSITY 36 WATER LOSS N/A CC

RESISTIVITY: OF MUD .09 @ 68 °F

OF FILTRATE .09 @ 68 °F

CHORIDES 91000 PPM

H₂S DURING TEST NONE PPM

REMARKS:

RECOVERY DESCRIPTION

DESCRIPTION	FEET	BBLs	% OIL	% WATER	% CUSHION	% MUD	% OTHER	API GRAV	RESIST	CHL PPM
drilling mud								°F	°F	
gas cut	270							°F	°F	91000
total bbls	1.323							°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	

SERVICE ORDER NUMBER: 125165 FLOPETROL JOHNSTON ENGINEER/TECHNICIAN (PRINT) RICHARDS

WESTERN DIVISION
COMPLETION REPORTS
6/14/91
1

Cornaby #2-14A2

EXP - Duchesne County, Utah - Bluebell - Section 14, T1S, R2W - PEPCO
- PZL W.I. 98.85342* - PD 8,600' - AFE #07016134 - AFE Cost \$736,100

COMPLETION

6/13/91 WOCU

6/14/91 WOCU

WESTERN DIVISION
COMPLETION REPORTS
6/24/91
1

Cornaby #2-14A2

EXP - Duchesne County, Utah - Bluebell - Section 14, T1S, R2W - PEPCO
- PZL W.I. 98.853428 - PD 8,600' - AFE #07016134 - AFE Cost \$736,100

COMPLETION

6/14/91	WOCU
6/15/91	WOCU
6/16/91	WOCU
6/17/91	WOCU
6/18/91	WOCU
6/19/91	WOCU
6/20/91	WOCU
6/21/91	WOCU

WESTERN DIVISION
COMPLETION REPORTS
6/28/91
1

Cornaby #2-14A2

EXP - Duchesne County, Utah - Bluebell - Section 14, T1S, R2W - PEPCO
- PZL W.I. 98.85342* - PD 8,600' - AFE #07016134 - AFE Cost \$736,100

COMPLETION

6/21/91	WOCU
6/22/91	WOCU
6/23/91	WOCU
6/24/91	WOCU
6/25/91	WOCU
6/26/91	WOCU
6/27/91	WOCU
6/28/91	WOCU

WESTERN DIVISION
COMPLETION REPORTS

7/08/91

1

Cornaby #2-14A2

EXP - Duchesne County, Utah - Bluebell - Section 14, T1S, R2W - PEPCO
- PZL W.I. 98.85342* - PD 8,600' - AFE #07016134 - AFE Cost \$736,100

COMPLETION

6/28/91 WOCU

6/29/91 WOCU

6/30/91 WOCU

7/01/91 WOCU

7/02/91 CTD \$585,325
MIRU. Found SICP - 0. Rem tree and inst BOP. SDFN.

7/03/91 CTD \$597,215
RU Schlumberger and ran CBL/CET logs fr 8500-surf. RD
Schlumberger. SD until 7/8/91. Prep to PU tbg.

WESTERN DIVISION
COMPLETION REPORTS
7/12/91
1

Cornaby #2-14A2

EXP - Duchesne County, Utah - Bluebell - Section 14, T1S, R2W - PEPCO
- PZL W.I. 98.85342* - PD 8,600' - AFE #07016134 - AFE Cost \$736,100

COMPLETION

7/08/91

CTD \$600,450

Unloaded tbg and WIH w/ 271 jts 2 7/8" tbg. Tagged btm at 8507'. PU to 8487'. SDFN. Prep to circ hole w/ 9 ppg Brine wtr and POOH to perf.

7/09/91

CTD \$652,725

Displ FW in hole w/ 320 bbls 9 ppg Brine wtr. POOH w/ 2 7/8" tbg. SDFN. Prep to perf.

7/10/91

CTD \$663,050

RU HLS and WIH w/ 3 1/8" HSC gun w/ 0 deg phasing and 1 SPF. Perf as follows:

6443	6471	6538	6640
6445	6473	6540	6660
6447	6475	6542	6662
6449	6477	6544	6664
6451	6479	6548	6666
6455	6526	6554	6678
6457	6528	6556	6680
6459	6530	6558	6682
6463	6534	6560	6684
6465	6536	6562	6686

Tot net ft - 40. Tot holes - 40. All depths fr HLS Dual Laterolog run 6/7/91. No press at surf after perf. WIH w/ 7" pkr and RBP on 2 7/8" tbg. Hydrotst to 9000 psi. Ran GR-clr log to spot t1s and set RBP at 6977'. PU and set pkr at 6277'. SDFN. Prep to acd.

7/12/91

2

7/11/91

CTD \$666,120

12 HRS SITP - 600 PSI. SICP - 400 PSI. Bled off gas and set pkr at 6583'. Acd perfs 6640-86' down 2 7/8" tbg w/ 2500 gals 15% HCL w/ 20 ball sealers. Flshd w/ 9 ppg Brine wtr - observed fair diversion. Pld pkr and RBP up to blank btw perfs 6562 and 6640'. Set tls in numerous positions w/in the blank but could not get tls to tst. Pld pkr and RBP up to blank btw perfs 6479 and 6526'. Set tls in numerous positions w/in the blank but still could not get a successful tst. Pld above all perfs at 6300' and achieved a successful tst to 2000 psi. POOH w/ tbg and tls. Pkr and RBP appeared undamaged. PU new pkr and RBP and started in hole. Well blew in. LD tls. SDFN. Prep to kill well and GIH w/ new tls to resume acd.

WESTERN DIVISION
COMPLETION REPORTS

7/19/91

1

Cornaby #2-14A2

EXP - Duchesne County, Utah - Bluebell - Section 14, T1S, R2W - PEPCO
- PZL W.I. 98.85342% - PD 8,600' - AFE #07016134 - AFE Cost \$736,100

COMPLETION

7/12/91

CTD \$697,850

11 HRS SICP - 400 PSI. Bled off gas and fin hydrotstg in hole w/ pkr and RBP. Se t1s btw perms 6562-6640' - would not tst. Reset RBP at 6512' and pkr at 6302'. Acd perms 6443-479' w/ 4000 gal 15% HCl - had very good ball action. Reset RBP at 6780' and reset pkr at 6302'. Acd all perms 6443-686' w/ 4100 gal 15% HCl - had complete ball-out. Rlsd pkr and circ hole w/ 200 bbls 9# Brine. Reset pkr at 6302' and tstd csg to 2000 psi - held. SDFN.

7/13/91

CTD \$697,850

14 HRS SITP - 400 PSI. Bled off gas and swbd 5 hrs - rec 100 BW w/ a trace of oil. Flwd for 9 hrs - rec 145 BW w/ a trace of oil and steady gas flow. Chk size - 1". FTP - 180 psi. SDFN.

7/14/91

CTD \$697,850

10 HRS SITP - 2500 PSI. Flwd well for 10 hrs on 1" chk w/ FTP - 180 psi. Rec 132 BW w/ a trace of oil and steady gas flow. All load fr acid jobs now rec. SDFN. Plan to tun well to btry soon and determine gas volume.

7/15/91

CTD \$698,400

14 HRS SITP - 2500 PSI. Left well SI to fin inst 3 phase gas prod unit. Prep to flow tst well.
NOTE: All load fr acid jobs has been rec + 10 bbls.

7/16/91

CTD \$700,520

40 HRS SITP - 2600 PSI. RU flowline to separator and slowly opnd well to a 24/64" chk. Flwd well for 22 hrs on a 24/64" chk w/ fin FTP - 800 psi. Rec 184 BW w/ a trace of oil. Gas rate - 1000 MCFPD. All load rec fr acid jobs + 194 bbls. Will cont flow tstg. Plan to run production log 7/18/91. SDFN.

7/17/91

CTD \$702,605

Cont flow tstg well. In last 24 hrs made 933 MCF w/ 204 BW and a trace of oil. Chk size - 24/64". FTP - 750 psi. All load fr acid jobs rec + 398 bbls. Prep to run production log. SDFN.

7/19/91

2

7/18/91

CTD \$711,725

Cont flow tstg well. RU Mercury WL and ran production logs across perfs 6443-6686'. Preliminary results follow:

6443-479' - 20-30% wtr, 100% gas

6526-562' - 70-80% wtr, no gas

~~6443~~ 6440-686' - No production

6440

RD Mercury. In last 24 hrs well made 933 MCF w/ 171 BW and a trace of oil. Chk size - 24/64". FTP - 750 psi. All load fr acid jobs rec + 569 bbls. SDFN. Prep to run BHP instr for build-up tst.

WESTERN DIVISION
COMPLETION REPORTS

7/26/91

1

Cornaby #2-14A2

EXP - Duchesne County, Utah - Bluebell - Section 14, T1S, R2W - PEPCO
- PZL W.I. 98.85342* - PD 8,600' - AFE #07016134 - AFE Cost \$736,100

COMPLETION

7/19/91

CTD \$713,015

RU CA White WL and WIH w/ BHP recording instr to 6565'
(MPP). SI for 10 day buildup tst. Plan to pull press
bombs 7/29/91.

NOTE: Correction fr 7/18/91 report: 6640-686' - no
production.

7/20/91

CTD \$713,015

SD for BHP buildup tst.

NOTE: NO FURTHER REPORTS UNTIL 7/29/91.

WESTERN DIVISION
COMPLETION REPORTS

8/02/91

1

Cornaby #2-14A2

EXP - Duchesne County, Utah - Bluebell - Section 14, T1S, R2W - PEPCO
- PZL W.I. 98.85342% - PD 8,600' - AFE #07016134 - AFE Cost \$736,100

COMPLETION

7/26/91

CTD \$713,015

Well SI for BHP buildup tst. Prep to pull bombs.

7/29/91

CTD \$723,230

Pld BHP recording instr. SDFN. Prep to resume flow tstg well.

7/30/91

CTD \$725,420

Flwd well for 22 1/2 hrs on 24/64" chk w/ FTP - 1100 psi. Made 135 BW w/ no oil. Gas rate - 933 MCFPD. Will cont flow tstg. SDFN.

7/31/91

CTD \$727,390

Flwd well for 24 hrs on 24/64" chk w/ FTP - 1000 psi. Made 145 BW w/ no oil and a gas rate of 933 MCFPD. Will cont flow tstg.

8/01/91

CTD \$729,380

Flwd well for 24 hrs on 24/64" chk w/ FTP - 1000 psi. Made 138 BW w/ no oil. Gas rate - 933 MCFPD. Will cont flow tstg.

WESTERN DIVISION
COMPLETION REPORTS
8/09/91

1

Cornaby #2-14A2

EXP - Duchesne County, Utah - Bluebell - Section 14, T1S, R2W - PEPCO
- PZL W.I. 98.85342% - PD 8,600' - AFE #07016134 - AFE Cost \$736,100

COMPLETION

8/02/91

CTD \$730,355

Flwd well for 5 hrs on 24/64" chk w/ FTP - 1000 psi.
Made 25 BW w/ no oil. Gas rate - 933 MCFPD. SDFWE. Prep
to kill well. Pull pkr and RBP and set CIBP at 6510' to
reduce wtr production.

8/05/91

CTD \$739,960

67 HRS SITP - 2500 PSI. Bled well down to frac tk for
2 hrs. Pmpd 40 bbls of 10 ppg Brine down tbg to kill
well. Rltd pkr and circ hole w/ 220 bbls 10 ppg Brine
containing corrosion inhibitor. WIH and latched onto
RBP at 6780'. POOH w/ pkr and RBP. Set 7" CIBP at 6510'
to exclude perfs 6526-6686'. WIH w/ 7" Baker mod R pkr
and SN on 2 7/8" tbg. Set pkr at 6298' w/ 20,000# comp.
Rem BOP and inst tree. Tstd annulus to 1500 psi - held.
SDFN. Prep to flow tst perfs 6443-6479'.

8/06/91

CTD \$743,195

11 1/2 HRS SITP - 450 PSI. Swbd and flwd 45 BLW to tk
before well kicked off flwg gas. Flwd well to tk for 3
hrs - rec 44 BW w/ a good show of gas. Flwd well thru
separator for 18 1/2 hrs on 24/64" chk w/ FTP - 600
psi. Made 128 BW w/ gas rate - 933 MCFPD. Last hr made
5 BW. Made no oil in last 24 hrs. Will cont flow tstg.
SDFN.

8/07/91

CTD \$750,315

Cont flow tstg perfs 6443-6479' for 10 hrs on 24/64"
chk with FTP-600 psi. Made 64 BW with no oil and a gas
rate of 933 MCFPD. RU Mercury and ran production logs
across perfs 6443-6479'. SDFN. Preliminary results
follow:

6443-6451: Major gas production
6455-6465: Minor production
6471-6479: Major water production

8/08/91

CTD \$752,040

RD. Left well SI pending construction of gas sales
line.

FINAL REPORT

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee Land
2. NAME OF OPERATOR Pennzoil Exploration and Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 290; Neola, Utah 84053		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1157' FNL & 660' FEL (NE NE)		8. FARM OR LEASE NAME Cornaby
14. PERMIT NO. API 43-013-31299		9. WELL NO. 2-14A2
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 5699' (KB)		10. FIELD AND POOL, OR WILDCAT Bluebell-Green River
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14, T1S, R2W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	Monthly Operations Report <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- Spud at 1:00 PM on 5/8/91 with Martin Rathole Machine
- Set 63' of 14" conductor. Cemented to surface with 245 sx. class "G" cement.
- MIRU Grace rig 181. Spud 6:00 AM 5/12/91
- Drill 12 1/4" hole to 3300' TD with 10.1 ppg., 38 vis. mud Encountered water flows at 912' and 2264'-2279'
- Ran 77 jnts. 9 5/8" 36# S-80 & K-55 STC casing to 3300' Cemented with 490 sx DS'HiLift" cement and 200 sx class "G" Displaced with 254 bbl water. Circ. 75 bbl cement to surface
- Nipple up BOP's. Test BOP's to 3000 psi. Test 9 5/8' casing to 1500 psi. O.K.
- Drill to 3315'. Test formation to 12 ppg EMW. No leak off.
- Drill 8 3/4" hole to 8550' TD with normal drilling problems. Final mud wt.: 9.2 ppg., 35 vis., 112,000 ppm. Cl
- Ran DST at interval 6441'-6468'. See Attachment.
- Ran logs DLL-LSS-FACT-GR from 8550' to Surface. Ran logs SDL-DSN-CSNG from 8550' to 6000'.
- Ran 195 jnts. 7" 23# S-95 casing t 8550' and cemented with 740 sx. DS'HiLift' cement followed with 725 sx. 50/50 Poz-mix Displaced with 337 bbl fresh water. Good returns throughout job. Bumped plug with 1800 psi 7:00 PM 6/10/91.
- Nipple up tubing spool. Pressure test to 2500 psi. O.K.
- Release rig 3:30 AM 6/11/91.

RECEIVED

JUN 14 1991

DIVISION OF OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED DR Landford TITLE Petroleum Engineer DATE 6/13/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

WELL OWNER: PENNZOIL

SERVICE ORDER NUMBER: 125165

REPORTS ADDRESS:

WELL NAME & NO.: CORNABY 2-14A2

FIELD: BLUEBELL

LEASE:

LOCATION: 14-T16-R2W

COUNTY: DUCHANE COUNTY

STATE: UTAH

ONSHORE OFFSHORE INLAND WATERS WILDCAT DEVELOPMENT PRODUCTION

TEST NO. 2 TEST INTERVAL FROM 6441 ~~6448~~ FT TO 6468 ~~6475~~ FT = 27 FT

SURFACE DATA						EQUIPMENT SEQUENCE					
DESCRIPTION	DATE	TIME OF DAY	PRESS PSIG	SURFACE CHOKE	PRESS IN-H ₂ O	COMPONENTS	SERIAL#	OD	ID	LENGTH	DEPTH
Hydrostatic Mud	31-MAY	09:19				DRILL PIPE		4.5	3.80	5721	
START FLOW 2" FLOW IN H ₂ O		09:23				DRILL COLLARS		6.0	2.25	4895	
END FLOW & START SHUTIN		09:26	2			REVERSE CIRC SUB		6.0	3.25	1.16	
END SHUTIN		10:26				DRILL COLLARS		6.0	2.25	92.00	
START FLOW B OF BUCKET		10:30				REVERSE CIRC SUB		6.0	3.25	1.16	
GAS TO SERVICE 4.1 MCF		10:35	15			DRILL COLLARS		6.0	2.25	92.00	
45 MCF		10:40	18			X-OVER		5.75	2.25	.59	
49 MCF		10:45	20			MFE		5.0	1.0	12.62	
62 MCF		11:00	30			BYPASS		5.0	1.0	2.97	
80 MCF		11:15	43			RECORDER		4.875	1.18	6.0	6413
100 MCF		11:30	56			JARS		4.75	1.875	7.31	
125 MCF		11:45	74			SAFETY JOINT		4.75	2.25	1.97	
152 MCF		12:00	92			SAFETY SEAL		6.625	1.50	4.92	
180 MCF		12:15	112			PACKER		8.0	1.50	4.18	6436
205 MCF CHOKE CHANGE 3/8"		12:30	132			PACKER		8.0	1.50	6.13	6442
350 MCF		12:45	92			PERF		4.75	2.25	5.0	
310 MCF		13:00	82			RECORDER		4.875	1.18	6.0	6448
325 MCF		13:15	86			PERF		4.75	2.25	15.65	
350 MCF		13:30	92								
360 MCF		13:45	96								
370 MCF		14:00	100								
END FLOW & START SHUTIN		14:00	100								
END SHUTIN		20:00									
PULLED LOOSE		20:01									

CUSHION	LENGTH	AMOUNT	SURFACE PRESS	CUSHION TYPE	BOT. CHOKE SIZE
	-0-ft		-0- psi	NONE	.9375

WELL BORE DATA			
FORMATION TESTED green river			
NET PRODUCTIVE INTERVAL	6	ft	EST. POROSITY 10 %
ELEVATION		ft	DEPTH MEASURED FROM KB
TOTAL MEASURED DEPTH	6470	ft	
O H SIZE	8.75	in	
CASING SIZE			
LINER SIZE			
PERF INTERVAL FROM		ft	TO ft
SHOT DENSITY			
TOTAL SHOTS			OVER/UNDER BALANCE PRESS psi

SAMPLER DATA			
RECOVERY 2500 cc	RESISTIVITY	CHL CONTENT	
U. FT. GAS 1.64	RECOVERED WATER @ °F	PPM	
C. OIL 0	RECOVERED MUD .509 @ 68 °F	PPM	
C. WATER 0	REC. MUD FILTRATE .309 @ 68 °F	91000 PPM	
C. MUD 150	PIT MUD .09 @ 68 °F	PPM	
GRAVITY °API °F	PIT MUD FILTRATE .09 @ 68 °F	91000 PPM	
OR CU. FT/BBL.	SAMPLER PRESSURE 225 psig		

INSTRUMENT DATA			
INSTRUMENT NO.	1401	2051	
ACTIVITY (P.S.I.G.)	6400	6400	
DEPTH	6413	6448	
DE-OUTSIDE	IN	OUT	
CHECK CAP	48	48	
TEMPERATURE °F	118	118	
1/D. P.S.I.G.	3263	3275	
FLOW P.S.I.G.	68 to 69	75 to 75	
	P.S.I.G. 2948	2961	
FLOW P.S.I.G.			
S.I. P.S.I.G.			
LOW P.S.I.G.	68 to 168	75 to 175	
	P.S.I.G. 3003	3025	
YD. P.S.I.G.	3200	3212	

MUD DATA			
MUD TYPE	SALT WATER	MUD WT	9.3 #/gal
VISCOSITY	36	WATER LOSS	N/A CC
RESISTIVITY: OF MUD	.09 @ 68 °F		
	OF FILTRATE .09 @ 68 °F		
CHORIDES	91000 PPM		
H ₂ S DURING TEST	NONE		PPM

REMARKS:

RECOVERY DESCRIPTION	FEET	BBLs	% OIL	% WATER	% CUSHION	% MUD	% OTHER	API GRAV	RESIST	CHL PPM
drilling mud								°F	°F	
gas cut	270							.07 °F	.3068 °F	91000
total bbls	1.323							.07 °F	.3068 °F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

9. Well Name and Number
Cornaby 2-14A2

10. API Well Number
43-013-31299-00

11. Field and Pool, or Wildcat
Bluebell

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well
 Oil Well Gas Well Other (specify) **CONFIDENTIAL**

2. Name of Operator
Pennzoil Exploration and Production Company

3. Address of Operator
P.O. Box 2967, Houston, Texas 77252-2967

4. Telephone Number
713-546-4000

5. Location of Well
Footage : 1557' FNL and 660' FEL County : Duchesne
QQ, Sec, T., R., M. : Section 14, T1S-R2W State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment	<input type="checkbox"/> Abandonment *
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Casing Repair
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Conversion to Injection
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Fracture Treat
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Other <u>Completion Summary</u>
<input type="checkbox"/> Other _____	
<input type="checkbox"/> New Construction	<input type="checkbox"/> New Construction
<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Water Shut-Off	

Approximate Date Work Will Start 7/2/91

Date of Work Completion 8/8/91

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- MIRU pulling unit. Ran CBL/CET logs.
- Perforated 6443-6479', 6526-6562' and 6640-6686'. Total 40', 40 holes.
- Acidized 6640-6686' with 2500 gallons 15% HCl.
- Acidized 6443-6479' with 4000 gallons 15% HCl.
- Acidized 6443-6686' with 4100 gallons 15% HCl.
- Ran production logs across perfs 6643-6686'.
- Ran bottom hole pressure build-up test.
- Set 7" CIBP at 6510' to exclude perfs 6526-6686'.
- Flow tested perfs 6443-6479'.
- Ran production logs across perfs 6443-6479'.
- RD pulling unit. Job complete.

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14. I hereby certify that the foregoing is true and correct.

Name & Signature R. A. Williams Title Supervising Engineer Date 8-16-91

(State Use Only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE
(See other instructions
on reverse side)

CONFIDENTIAL & PRIVILEGED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
Pennzoil Exploration and Production Company

3. ADDRESS OF OPERATOR
P.O. Box 2967, Houston, Texas 77252-2967

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1157' FNL and 660' FEL

At top prod. interval reported below 1157' FNL and 660' FEL

At total depth _____

14. PERMIT NO. 43-013-31299 DATE ISSUED ?

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5. LEASE DESIGNATION AND SERIAL NO.

Fee Land

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cornaby

9. WELL NO. 2-14A2

10. FIELD AND POOL, OR WILDCAT

Bluebell / Upper Green River

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 14, T1S-R2W

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

15. DATE SPUDDED 5/12/91 16. DATE T.D. REACHED 6/8/91 17. DATE COMPL. (Ready to prod.) 8-8-91 JAM 18. ELEVATIONS (DF, EKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 8550' 21. PLUG, BACK T.D., MD & TVD 8501' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6443-6686' Upper Green River 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DLL/GR, FWS/FACL, LSS, SDL COMPENSATED SPECTRAL GR, MUD LOG 6-26-91 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
14"		63'		245 SXS "G"	
9-5/8"	36#	3317'	12-1/4"	490 SXS "G"	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
7"	23#	8550'	740 SXS	-	2-7/8"	6277'	6277'

31. PERFORATION RECORD (Interval, all and number) See Attached 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
7/16/91	Flowing	SI WO const of gas line					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8/7/91	10	24/64"	→	0	933	64	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
600 psi	0 (pk)	→	0	933	64	138	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY Jess Dullnig

35. LIST OF ATTACHMENTS Perfs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED *Karl A. Will* TITLE _____ DATE 9-18-91

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*(See Instructions and Spaces for Additional Data on Reverse Side)

 **PENNZOIL EXPLORATION AND PRODUCTION COMPANY**

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353-4397

March 31, 1992



Bureau of Land Management
Vernal, Utah

Attn: Jerry Kenczka

Re: Request for Variance

Dear Sir:

After extensive testing, we have found a market for our asphalt based oil from the following wells:

- Duncan 4-12A2
- Duncan 4-2A2
- Cornaby 2-14A2
- Hamblin 3-9A2

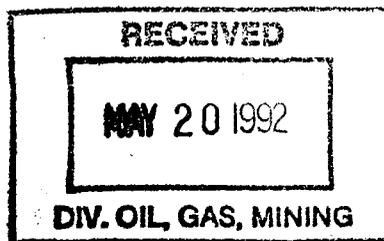
The oil is acceptable in a merchantable condition at a refinery in Salt Lake City. At present, the field price would be about twelve dollars a barrel.

The above wells have some federal mineral acres, and some have none. To make this oil economical we would have to do treating at one location.

We propose to split the production at time of sale, and that way pay royalties, on a pro-rated basis, on percent cuts and overall production, of the oil and water emulsion.

We would like your opinion on this matter and see if there are any unforeseen problems or conditions for this type of arrangement.

The economics of this plan seem feasible if we can keep this treatment simple and do it all at one point.




H. H. STROMGREN
Production Superintendent
Neola, Utah



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal, Utah 84078

Phone (801) 789-1362

MAY 18 1992

FAX (801) 789-3634

IN REPLY REFER TO:

**3162.7-2
UT08438**

Pennzoil Exploration & Production Company
Attn: H. H. Stromgren
P.O. Box 290
Neola, Utah 84053

Re: Variance Request

Dear Mr. Stromgren:

This correspondence is in regard to your request for a variance to the method measurement and treatment of asphaltic crude produced at the following wells:

Duncan 4-12A2
Cornaby 2-14A2

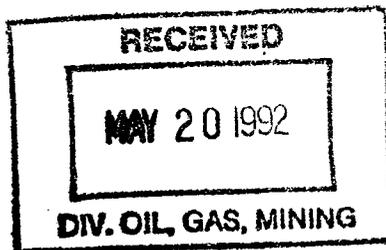
Duncan 4-2A2
Hamblin 3-9A2

After a review by this office, your request is approved as long as the volume of crude oil is estimated by tank gauge prior to hauling it the common location for treatment. This will make it easier to pro-rate it back to the individual wells at the time of sales.

If you have any other questions concerning this matter, please contact Ed Forsman of this office at (801) 789-1362.

Sincerely,

Howard B. Cleavinger II
Assistant District Manager for Minerals



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WELL: DRILL DEEPEN PLUG BACK

b. TYPE OF WELL:
OIL GAS SINGLE MULTIPLE
WELL WELL ZONE ZONE

2. NAME OF OPERATOR
PENNZOIL EXPLORATION AND PRODUCTION COMPANY

3. ADDRESS OF OPERATOR
P.O. BOX 290 NEOLA, UTAH 84078 Phone: (801) 353-4397

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface NE 1/4 NE 1/4
1157' FNL & 660' FEL
At proposed prod. zone

14. DISTANCES IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICES
2.2 MILES SOUTH AND 2.1 MILE WEST OF NEOLA, UTAH

15. DISTANCES FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
660'
16. NO. ACRES IN LEASE
640

18. DISTANCES FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE
4236'
19. PROPOSED DEPTH
14,100

21. ELEVATIONS (Show whether DF, RT, Gr, etc.)
5684' UNGRADED GROUND

5. LEASE DESIGNATION AND SERIAL NO.
API # 43-013-31299

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
CORNABY

9. WELL NO.
2-14A2

10. FIELD AND POOL, OR WILDCAT
BLUEBELL / WASATCH

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA
SEC. 14 T1S R2W U.S.B.&M

12. COUNTY OR PARISH
DUCHESNE
13. STATE
UTAH

17. NO. ACRES ASSIGNED TO THIS WELL
640

20. ROTARY OR CABLE TOOLS
ROTARY

22. APPROX. DATE WORK WILL START
9/28/93

23. PROPOSED CASING AND CEMENTED PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6 1/4"	5"	18# P-110	8,550' - 14,100'	550 CU. FT.

- 1. Preliminary work to be done prior to moving in drilling rig.
 - a. Squeeze perms from 6443' - 6479'
 - b. Drill out CIBP @ 6510'
 - c. Squeeze perms from 6526' - 6686'
 - d. Pressure test 7" casing to 3000 psi.
(Refer to attached Intermedial Wellbore Schematic)
- 2. Enclosed Attachments
 - a. Certified Location Plat
 - b. Drilling Plan
 - c. BOP Schematic
 - d. Area Topography map showing roadway to location
 - e. Location map showing dirt plan and rig layout
- 3. Water Permit will be secured prior to spudding well.
- 4. An AFE has been prepared and sent to joint interest holders for their approval.
- 5. Pennzoil request that all information be held confidential for that period of time allowed by law.

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TECHNICAL REVIEW
Engr. *[Signature]* 9/23/93
Geol. *[Signature]* 9/23/93
Surface *[Signature]* 9/15/93

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *[Signature]*
Office Phone (801) 353-4397

TITLE Area Drilling Foreman DATE 31 Aug-93
Home Phone (801) 789-7033

(This space for Federal or State office use)
PERMIT NO. 43-013-31299

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
APPROVAL DATE DATE: 9/23/93

APPROVED BY
CONDITION OF APPROVAL, IF ANY

TITLE BY: *[Signature]*

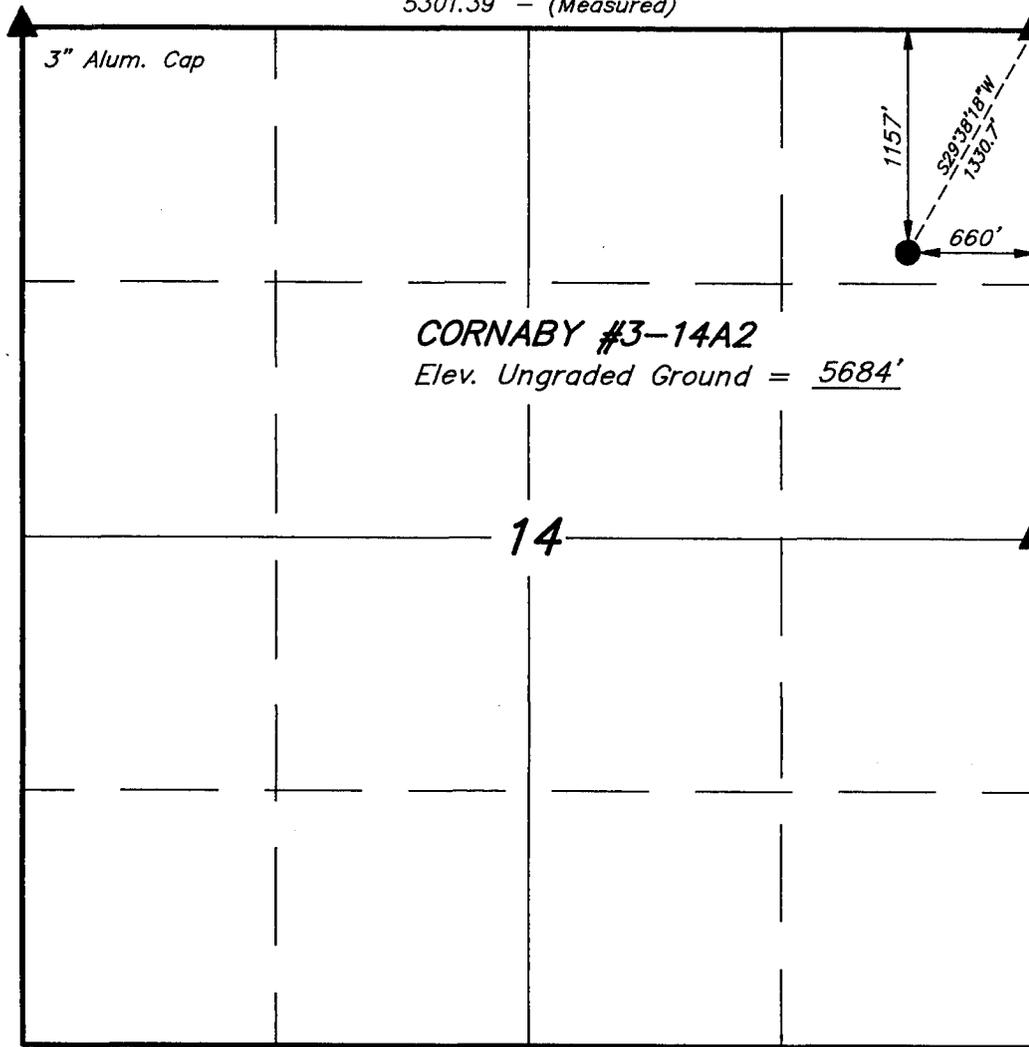
*See Instructions On Reverse Side

**PENNZOIL EXPLORATION
& PRODUCTION COMPANY**

Well location, CORNABY #3-14A2, located as shown in the NE 1/4 NE 1/4 of Section 14, T1S, R2W, U.S.B.&M. Duchesne County, Utah.

T1S, R2W, U.S.B.&M.

S89°57'02"W - (Basis of Bearings)
5301.39' - (Measured)



Set
5/8" Rebar

S0°06'08"E - 2649.85' (Meas.)

Set
Stone

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 14, T1S, R2W, U.S.B.&M. TAKEN FROM THE NEOLA QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5713 FEET.

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CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert J. Kay

REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH

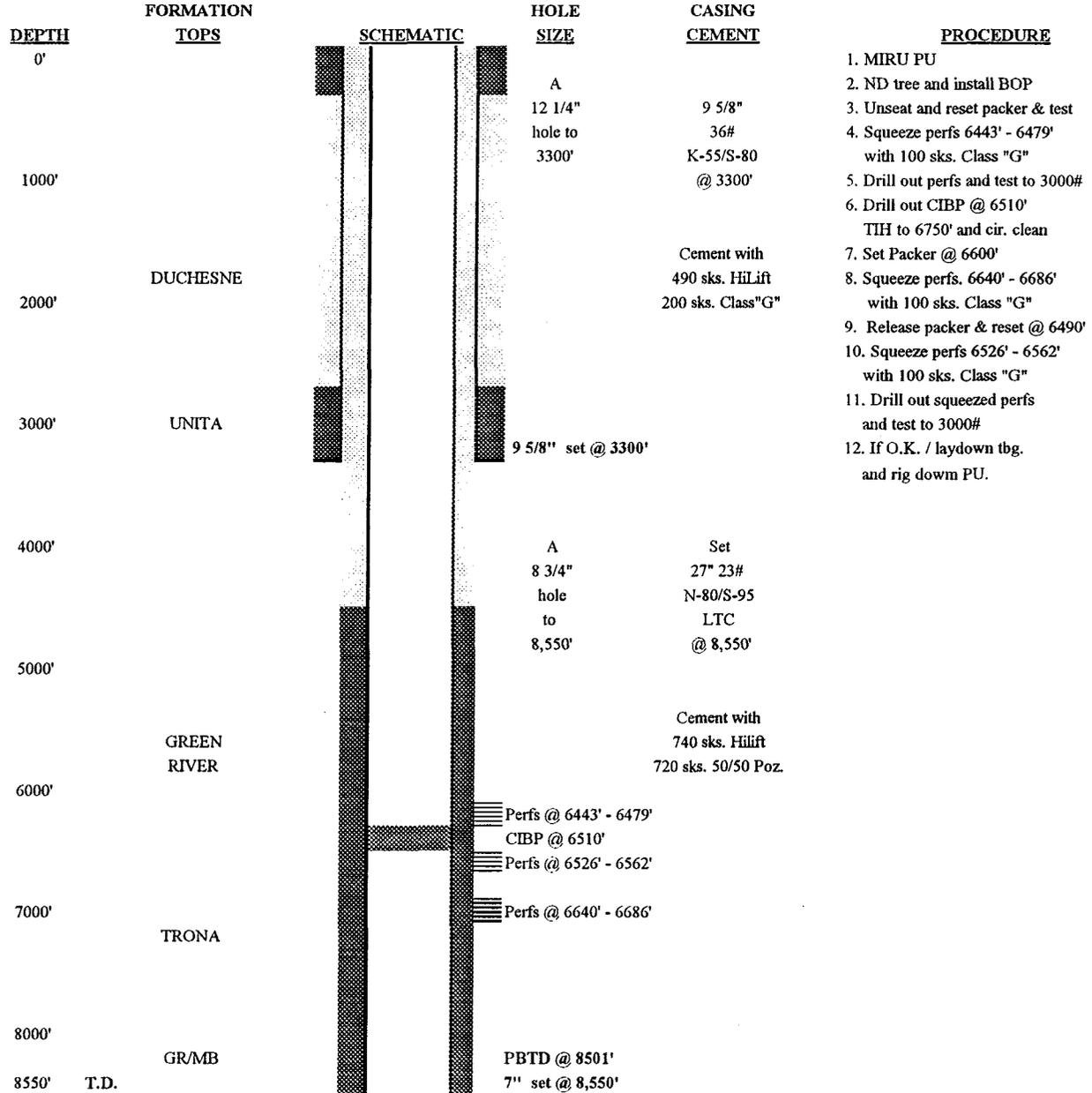
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST (801) 789-1017
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 12-31-90
PARTY D.A. R.A. T.D.H.	REFERENCES SUBDIVISION PLAT
WEATHER COLD	FILE PENNZOIL EXPLR. & PROD. CO.

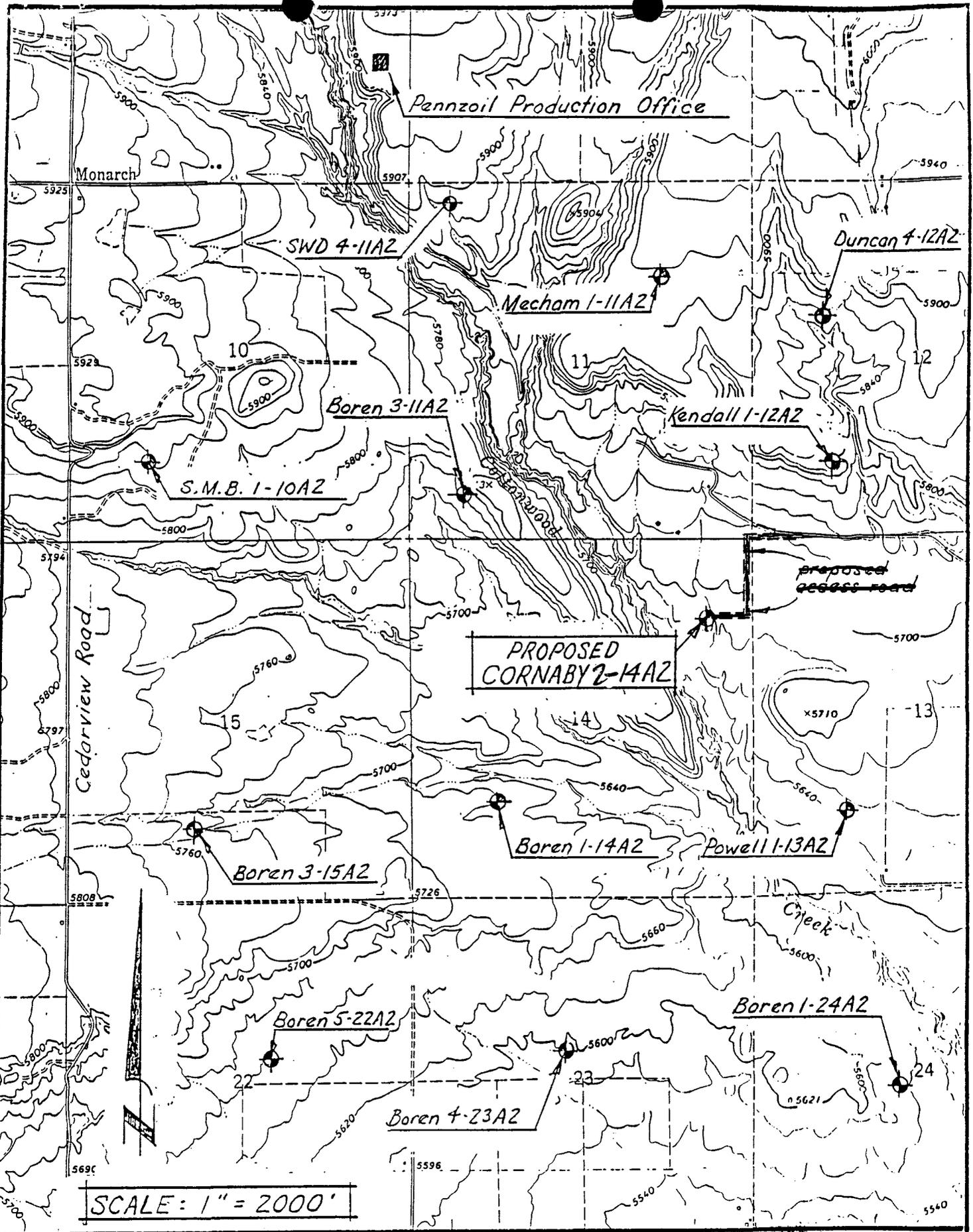
▲ = SECTION CORNERS LOCATED.

INTERMEDIAL WELLBORE SCHEMATIC

LOCATION: CORNABY 2-14A2



SFP 1 1993

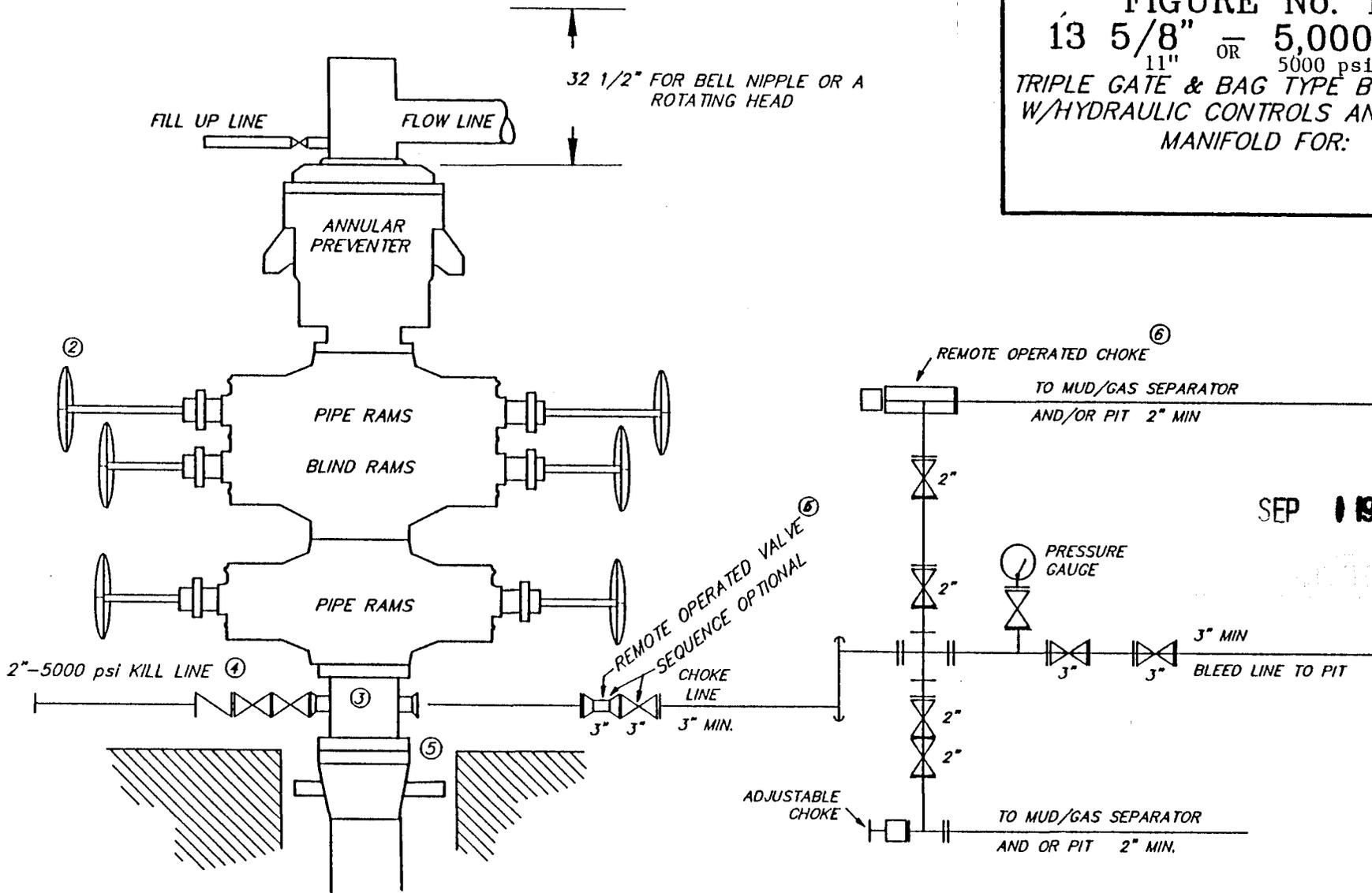


DRL 12/27/90

AREA TOPOGRAPHY MAP

Proposed Well: CORNABY 3-14A2, NENE Sec. 14, T15, R2W, Duchesne Co., Utah
 Submitted to Utah Division Oil, Gas, & Mining by Pennzoil Explor. & Prod Co

FIGURE No. 1
 $13 \frac{5}{8}$ " $\overline{11}$ " OR 5,000 psi ^①
 5000 psi
TRIPLE GATE & BAG TYPE BOP STACK
W/HYDRAULIC CONTROLS AND CHOKE
MANIFOLD FOR:

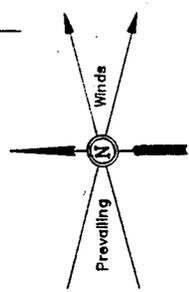
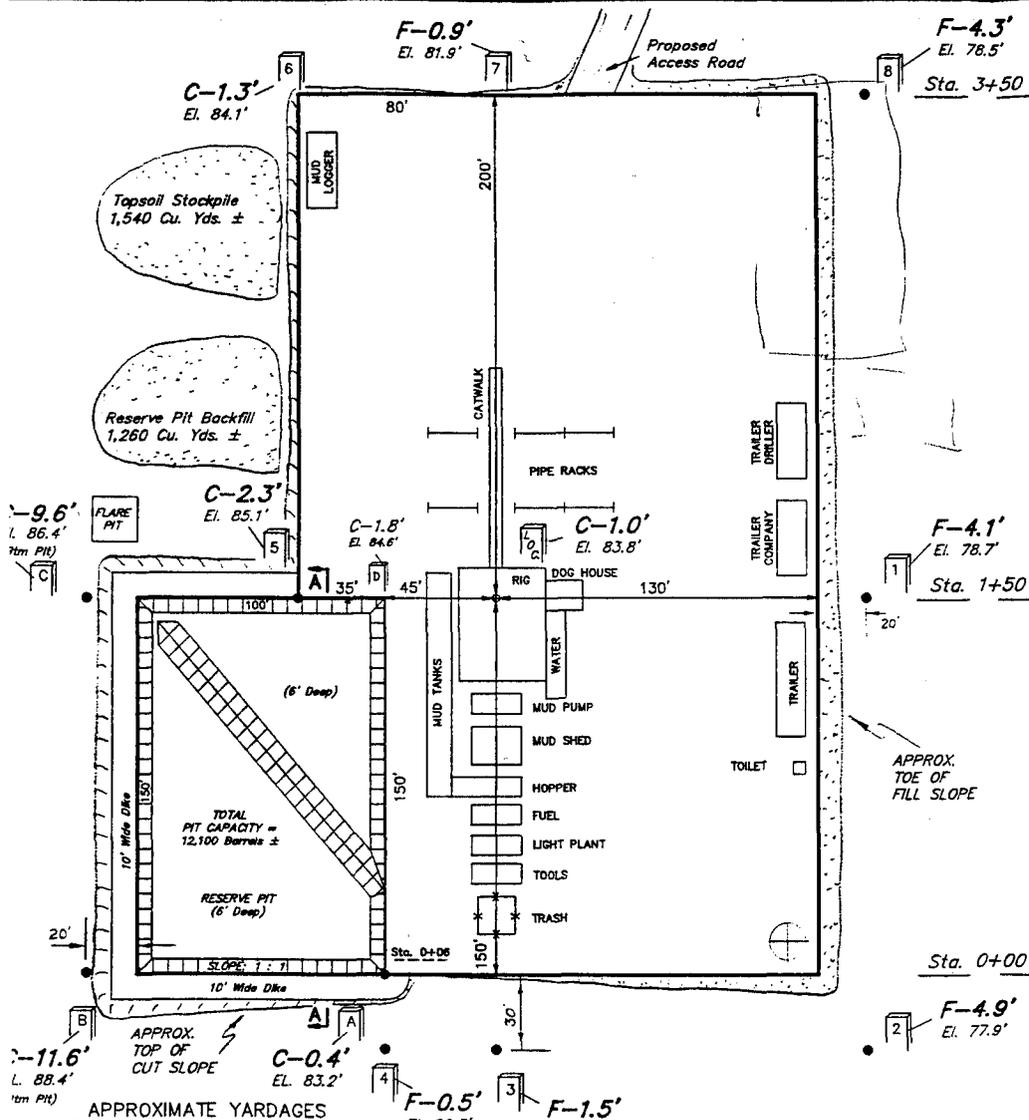


SEP 1993

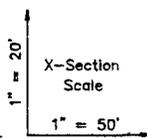
- ① = ALL BOP CONNECTIONS SUBJECTED TO WELL PRESSURE SHALL BE FLANGED, WELDED OR CLAMPED.
- ② = HAND WHEELS FOR EACH SET OF RAMS UNLESS EQUIPPED WITH AUTO LOCK.
- ③ = DRILLING SPOOL UNLESS BOTTOM BOP EQUIPPED WITH SIDE OUTLETS.
- ④ = KILL LINE W/2-2" VALVES & 1-2" CHECK VALVE WITH KILL LINE TO OUTER EDGE OF THE SUB STRUCTURE.
- ⑤ = TOP OF CASING HEAD FLANGE WILL BE AT GROUND LEVEL.
- ⑥ = REMOTE CONTROLS ON RIG FLOOR.

SEP 1 1993

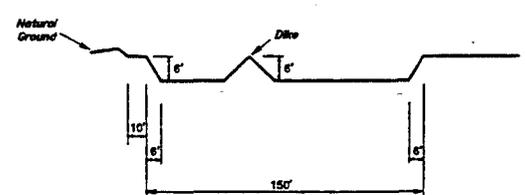
PENNZOIL EXPLR. & PROD. CO.
 LOCATION LAYOUT FOR
 CORNABY #2-14A2
 SECTION 14, T1S, R2W, U.S.B.&M.



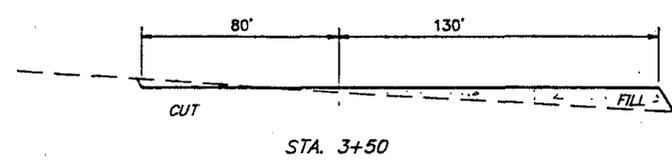
SCALE: 1" = 50'
 DATE: 1-3-91
 DRAWN BY: T.D.H.
 REVISED: 4-24-91



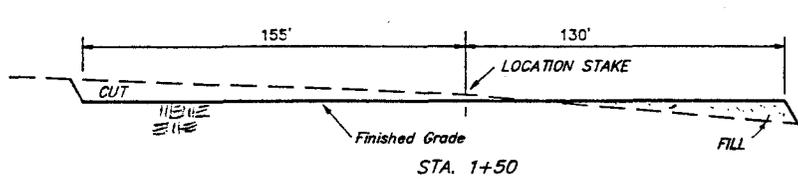
TYP. LOCATION LAYOUT
 TYP. CROSS SECTIONS



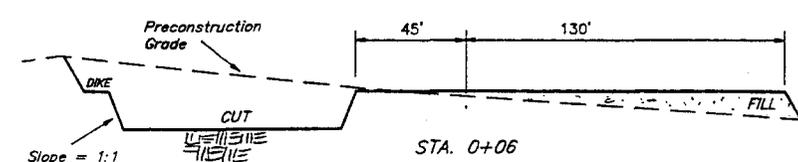
SECTION A-A
 NO SCALE



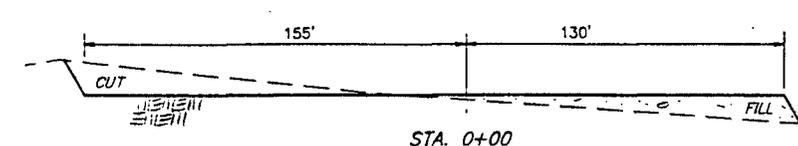
STA. 3+50



STA. 1+50



STA. 0+06



STA. 0+00

APPROXIMATE YARDAGES		EXCESS MATERIAL AFTER 5% COMPACTION	
CUT		Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,860 Cu. Yds.
(6") Topsoil Stripping	= 1,540 Cu. Yds.	EXCESS UNBALANCE (After Rehabilitation)	= 60 Cu. Yds.
Remaining Location	= 5,450 Cu. Yds.		
TOTAL CUT	= 6,990 Cu. Yds.		
FILL	= 3,920 Cu. Yds.		

Elev. Ungraded Ground at Location Stake = 5683.8'
 Elev. Graded Ground at Location Stake = 5682.8'

DRILLING PLAN

OPERATOR: PENNZOIL EXPLORATION & PRODUCTION COMPANY

WELL: CORNABY 2-14A2

API # 43-013-31299

WELL LOCATION: 1157' FNL & 660' FEL

NE 1/4 NE 1/4 SEC. 14, T1S, R2W

Duchesne County, Utah

This well is a reentry and deepen. All intermedial work will be done prior to moving on drilling rig. The intermedial work will consist of squeezing all existing perforation and casing tested for integrity of 3000 psi.

1. ESTIMATED TOPS AND IMPORTANT GEOLOGICAL FORMATIONS:

TGR 3	9,650'
CP 70	10,450'
TU 2	10,800'
Wasatch 200	12,910'
TFL	13,850'
Total Depth	14,100'

2. ESTIMATED OIL AND WATER DEPTHS:

Water	NONE ANTICIPATED
TU 2	Oil @ ±10,800'
Wasatch 200	Oil @ ±12,910"

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3. HOLE SIZE, CASING, AND CEMENT PROGRAM:

A. CONDUCTOR HOLE: 0' - 63' (PRE- SET)

- a. 14" conductor set @ 63'.
- b. Cemented with 245 sks. Class "G".

B. SURFACE HOLE: 63' - 3300' (PRE- SET)

- a. A 12 1/4" hole was drilled to 3300'
- b. 9 5/8" 36# K-55/S-80 STC set @ 3300'.
- c. Cemented with 490 sks. Hilift and 200 sks, Class "G".

C. INTERMEDIATE HOLE: 3300' - 8,550' (PRE- SET)

- a. A 8 3/4" hole was drilled to 8,550'
- b. 7" 23# N-80/S-95 LTC was set @ 8,550'.
- c. Cemented with 740 sks. HiLift and 720 sks. 50/50 Poz.

D. PRODUCTION HOLE: 8,550' - 14,100'

- a. Drill a 6 1/4" hole to 14,100'.
- b. Hang a 5" 18# P-110 FL4S liner.
- c. Cement liner with a Class "G" cement tailored for depth and temp.

4. OPERATOR'S PRESSURE CONTROL PLAN:

Figure no. 1 is a schematic of minimum BOP equipment.

The BOP equipment will be nipple up and pressure tested prior to commence drilling.

- a. All rams and choke manifold will be tested to 5000 psi.
- b. Bag preventer will be tested to 50% of its rated working pressure.
- c. Record all BOP test on tour reports.
- d. Retest BOP stack every 45 days.
- f. Fill up line above the bag preventer.
- g. Kill line located below the double BOP rams.

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Operational Checks:

- a. Pipe rams will be closed and opened once each 24 hours.
- b. Blind rams will be closed and opened each time the drill string is pulled from the well bore.

5. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- a. Upper and lower kelly cocks will be used.
- b. A full opening drill pipe stabbing valve.
- c. PVT equipment will be used to monitor the mud system when drilling the production hole.

6. PROPOSED DRILLING FLUID PROGRAM:

A. PRODUCTION HOLE: 8,550' - 14,100''

- a. Drill out with a 10 ppg. brine water until formation pressure dictates greater than 10 ppg. mud wt. At that time convert to polymer mud system. Barite, polymer, and gel will be used as wellbore dictates due to pressure and hole condition.
- b. Final fluid properties: 13.0/13.5 ppg. 40/55 vis. 8/10 wl. 20/30 yp.

7. WELL BORE EVALUATION:

- a. CORING: None Anticipated
- b. DRILL STEM TESTING: None Anticipated
- c. LOGS: Production hole Dual Induction Lateral
Gamma Ray
BHC-Sonic Micro-SFL
Three Arm Caliper

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d. COMPLETION: The objective formation is one of the oil zones in the Wasatch Formation. Selected intervals will then be perforated and evaluated for stimulation work.

8. PRESSURE AND TEMPERATURES:

- a. No abnormal pressure or temperature have been noticed or reported in wells drilled in this area.
- b. Estimated bottom hole temperatures : 235 degrees
- c. Estimated bottom hole pressure: 9,500 psi

9. ANTICIPATED STARTING DATE:

- a. Intermedial work will probably start approximately Sept. 28, 1993.
- b. The well will probably be spud approx. Oct. 17, 1993

10. OTHER INFORMATION:

- a. Topography: Fenced, hilly and rocky.
- b. Soil Characteristics: Bentonitic clays and rocks.
- c. Flora: Pasture grasses and Russian Olive trees.
- d. Fauna: Domestic: Cattle and horses
Wildlife: Deer, rodents, small reptiles
- e. Surface Use: Existing wellbore and location pad.
- f. Surface Owner: Mr. Richard Cornaby

SEP 1 1993

11. LEASEE'S OR OPERATOR'S REPRESENTATIVE:

Joel Pettit, Operation Superintendent (801) 353-4397
Danny L. Laman, Area Drilling Foreman (801) 353-4397

12. This well will be drilled per regulations as set forth by the Utah Division of Oil, Gas, & Mining.

SEP 1 1993



PENNZOIL EXPLORATION AND PRODUCTION COMPANY

August 31, 1993

State of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
355 West North Temple
3 Triad Center; Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

SEP 01 1993

**DIVISION OF
OIL, GAS & MINING**

RE: Application for Permit to Deepen
CORNABY 2-14A2
API# 43-013-31299
1157' FNL & 660' FEL
NE 1/4 NE 1/4 Sec. 14 T1S R2W
Duchesne County, Utah

Gentlemen:

The original and two copies of the APD for the subject well are enclosed for your review and I trust your approval.

Pennzoil Exploration and Production Company requests that this APD and all related information submitted be held confidential for that period of time permitted by regulations and law.

If additional information is required, please call Pennzoil Production office in Neola, Utah at (801) 353-4397.

Sincerely

PENNZOIL EXPLORATION AND PRODUCTION COMPANY



Danny L. Laman
Area Drilling Foreman

Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

DO NOT WRITE IN THESE SPACES

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WELL: DRILL DEEPEN PLUG BACK

b. TYPE OF WELL:
OIL WELL GAS WELL OTHER
SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
PENNZOIL EXPLORATION AND PRODUCTION COMPANY

3. ADDRESS OF OPERATOR
P.O. BOX 290 NEOLA, UTAH 84078 Phone: (801) 353-4397

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface NE 1/4 NE 1/4
1157' FNL & 660' FEL
At proposed prod. zone

14. DISTANCES IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICES
2.2 MILES SOUTH AND 2.1 MILE WEST OF NEOLA, UTAH

15. DISTANCES FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drfg. unit line, if any)
660'

16. NO. ACRES IN LEASE
640

17. NO. ACRES ASSIGNED TO THIS WELL
640

18. DISTANCES FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE
4236'

19. PROPOSED DEPTH
14,100

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, Gr, etc.)
5684' UNGRADED GROUND

22. APPROX. DATE WORK WILL START
9/28/93

23 PROPOSED CASING AND CEMENTED PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6 1/4"	5"	18# P-110	8,550' - 14,100'	550 CU. FT.

- Preliminary work to be done prior to moving in drilling rig.
 - Squeeze perms from 6443' - 6479'
 - Drill out CIBP @ 6510'
 - Squeeze perms from 6526' - 6686'
 - Pressure test 7" casing to 3000 psi.
(Refer to attached Intermedial Wellbore Schematic)
- Enclosed Attachments
 - Certified Location Plat
 - Drilling Plan
 - BOP Schematic
 - Area Topography map showing roadway to location
 - Location map showing dirt plan and rig layout
- Water Permit will be secured prior to spudding well.
- An AFE has been prepared and sent to joint interest holders for their approval.
- Pennzoil request that all information be held confidential for that period of time allowed by law.

SFP 1 1993

CONFIDENTIAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24 SIGNED [Signature] TITLE Area Drilling Foreman DATE 31-Aug-93
Office Phone (801) 353-4397 Home Phone (801) 789-7033

(This space for Federal or State office use)
PERMIT NO. 43-013-31299

APPROVAL DATE _____
APPROVED BY _____ TITLE _____
DATE: 9/23/93
BY: [Signature]

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United State any false, fictitious or fraudulent statements or representation as to any matter within its jurisdiction

INTERMEDIAL WELLBORE SCHEMATIC

LOCATION: CORNABY 2-14A2

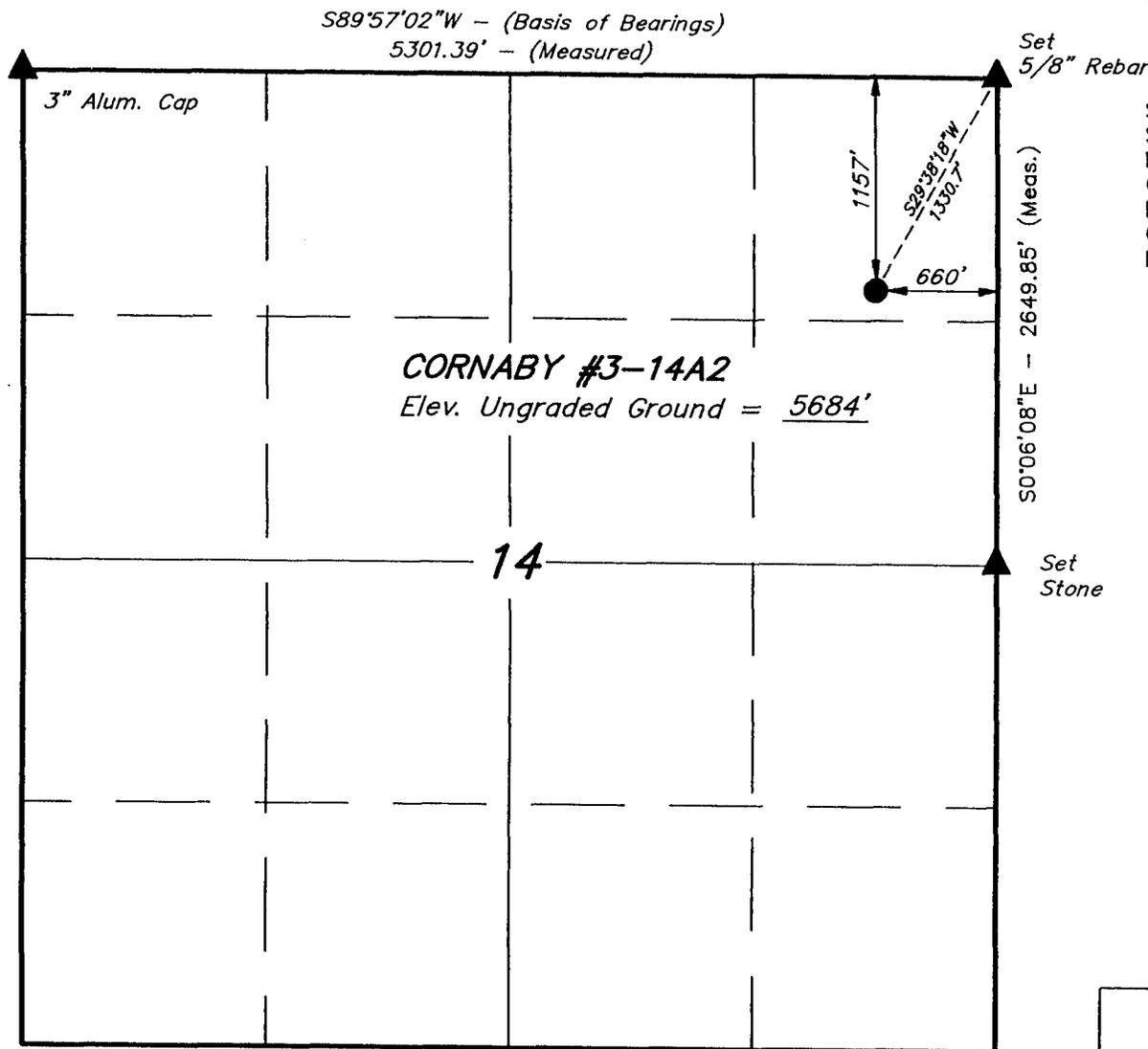
DEPTH	FORMATION TOPS	SCHEMATIC	HOLE SIZE	CASING CEMENT	PROCEDURE
0'			A 12 1/4" hole to 3300'	9 5/8" 36# K-55/S-80 @ 3300'	1. MIRU PU 2. ND tree and install BOP 3. Unseat and reset packer & test 4. Squeeze perfs 6443' - 6479' with 100 sks. Class "G"
1000'					5. Drill out perfs and test to 3000# 6. Drill out CIBP @ 6510' TIH to 6750' and cir. clean
2000'	DUCHESNE			Cement with 490 sks. HiLift 200 sks. Class "G"	7. Set Packer @ 6600' 8. Squeeze perfs. 6640' - 6686' with 100 sks. Class "G"
3000'	UNITA		9 5/8" set @ 3300'		9. Release packer & reset @ 6490' 10. Squeeze perfs 6526' - 6562' with 100 sks. Class "G"
4000'			A 8 3/4" hole to 8,550'	Set 27" 23# N-80/S-95 LTC @ 8,550'	11. Drill out squeezed perfs and test to 3000# 12. If O.K. / laydown tbq. and rig down PU.
5000'					
6000'	GREEN RIVER			Cement with 740 sks. HiLift 720 sks. 50/50 Poz.	
7000'	TRONA				Perfs @ 6443' - 6479' CIBP @ 6510' Perfs @ 6526' - 6562' Perfs @ 6640' - 6686'
8000'	GR/MB				
8550'	T.D.		PBTD @ 8501' 7" set @ 8,550'		

SEP 1 1993

**PENNZOIL EXPLORATION
& PRODUCTION COMPANY**

T1S, R2W, U.S.B.&M.

Well location, CORNABY #3-14A2, located as shown in the NE 1/4 NE 1/4 of Section 14, T1S, R2W, U.S.B.&M. Duchesne County, Utah.



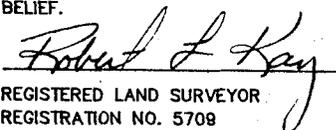
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 14, T1S, R2W, U.S.B.&M. TAKEN FROM THE NEOLA QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5713 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.


 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 5709
 STATE OF UTAH

UNTAH ENGINEERING & LAND SURVEYING
 85 SOUTH - 200 EAST (801) 789-1017
 VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 12-31-90
PARTY D.A. R.A. T.D.H.	REFERENCES SUBDIVISION PLAT
WEATHER COLD	FILE PENNZOIL EXPLR. & PROD. CO.

▲ = SECTION CORNERS LOCATED.

SEP 1 1993

DRILLING PLAN

OPERATOR: PENNZOIL EXPLORATION & PRODUCTION COMPANY

WELL: CORNABY 2-14A2

API # 43-013-31299

WELL LOCATION: 1157' FNL & 660' FEL

NE 1/4 NE 1/4 SEC. 14, T1S, R2W

Duchesne County, Utah

This well is a reentry and deepen. All intermedial work will be done prior to moving on drilling rig. The intermedial work will consist of squeezing all existing perforation and casing tested for integrity of 3000 psi.

1. ESTIMATED TOPS AND IMPORTANT GEOLOGICAL FORMATIONS:

TGR 3	9,650'
CP 70	10,450'
TU 2	10,800'
Wasatch 200	12,910'
TFL	13,850'
Total Depth	14,100'

SEP 1 1993

2. ESTIMATED OIL AND WATER DEPTHS:

Water	NONE ANTICIPATED
TU 2	Oil @ ±10,800'
Wasatch 200	Oil @ ±12,910"

3. HOLE SIZE, CASING, AND CEMENT PROGRAM:

A. CONDUCTOR HOLE: 0' - 63' (PRE- SET)

- a. 14" conductor set @ 63'.
- b. Cemented with 245 sks. Class "G".

B. SURFACE HOLE: 63' - 3300' (PRE- SET)

- a. A 12 1/4" hole was drilled to 3300'
- b. 9 5/8" 36# K-55/S-80 STC set @ 3300'.
- c. Cemented with 490 sks. Hilift and 200 sks, Class "G".

C. INTERMEDIATE HOLE: 3300' - 8,550' (PRE- SET)

- a. A 8 3/4" hole was drilled to 8,550'
- b. 7" 23# N-80/S-95 LTC was set @ 8,550'.
- c. Cemented with 740 sks. HiLift and 720 sks. 50/50 Poz.

SFP 1 1993

D. PRODUCTION HOLE: 8,550' - 14,100'

- a. Drill a 6 1/4" hole to 14,100'.
- b. Hang a 5" 18# P-110 FL4S liner.
- c. Cement liner with a Class "G" cement tailored for depth and temp.

4. OPERATOR'S PRESSURE CONTROL PLAN:

Figure no. 1 is a schematic of minimum BOP equipment.

The BOP equipment will be nipple up and pressure tested prior to commence drilling.

- a. All rams and choke manifold will be tested to 5000 psi.
- b. Bag preventer will be tested to 50% of its rated working pressure.
- c. Record all BOP test on tour reports.
- d. Retest BOP stack every 45 days.
- f. Fill up line above the bag preventer.
- g. Kill line located below the double BOP rams.

Operational Checks:

- a. Pipe rams will be closed and opened once each 24 hours.
- b. Blind rams will be closed and opened each time the drill string is pulled from the well bore.

5. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- a. Upper and lower kelly cocks will be used.
- b. A full opening drill pipe stabbing valve.
- c. PVT equipment will be used to monitor the mud system when drilling the production hole.

6. PROPOSED DRILLING FLUID PROGRAM:

A. PRODUCTION HOLE: 8,550' - 14,100''

- a. Drill out with a 10 ppg. brine water until formation pressure dictates greater than 10 ppg. mud wt. At that time convert to polymer mud system. Barite, polymer, and gel will be used as wellbore dictates due to pressure and hole condition.
- b. Final fluid properties: 13.0/13.5 ppg. 40/55 vis. 8/10 wl. 20/30 yp.

7. WELL BORE EVALUATION:

- a. CORING: None Anticipated
- b. DRILL STEM TESTING: None Anticipated
- c. LOGS: Production hole Dual Induction Lateral
Gamma Ray
BHC-Sonic Micro-SFL
Three Arm Caliper

- d. COMPLETION: The objective formation is one of the oil zones in the Wasatch Formation. Selected intervals will then be perforated and evaluated for stimulation work.

8. PRESSURE AND TEMPERATURES:

- a. No abnormal pressure or temperature have been noticed or reported in wells drilled in this area.
- b. Estimated bottom hole temperatures : 235 degrees
- c. Estimated bottom hole pressure: 9,500 psi

SEP 1 1993

9. ANTICIPATED STARTING DATE:

- a. Intermedial work will probably start approximately Sept. 28, 1993.
- b. The well will probably be spud approx. Oct. 17, 1993

10. OTHER INFORMATION:

- a. Topography: Fenced, hilly and rocky.
- b. Soil Characteristics: Bentonitic clays and rocks.
- c. Flora: Pasture grasses and Russian Olive trees.
- d. Fauna: Domestic: Cattle and horses
Wildlife: Deer, rodents, small reptiles
- e. Surface Use: Existing wellbore and location pad.
- f. Surface Owner: Mr. Richard Cornaby

11. LEASEE'S OR OPERATOR'S REPRESENTATIVE:

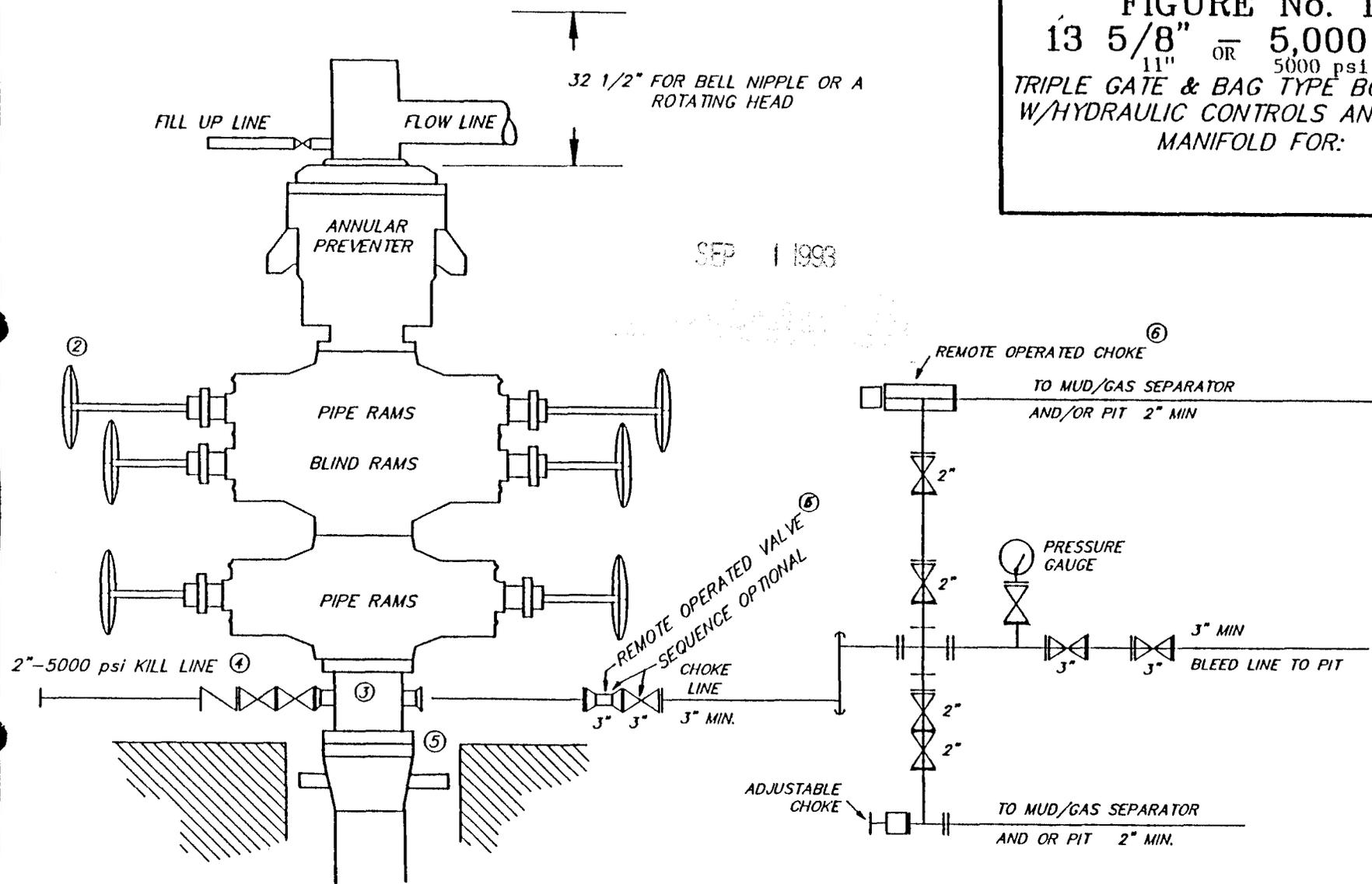
Joel Pettit, Operation Superintendent (801) 353-4397
Danny L. Laman, Area Drilling Foreman (801) 353-4397

12. This well will be drilled per regulations as set forth by the Utah Division of Oil, Gas, & Mining.

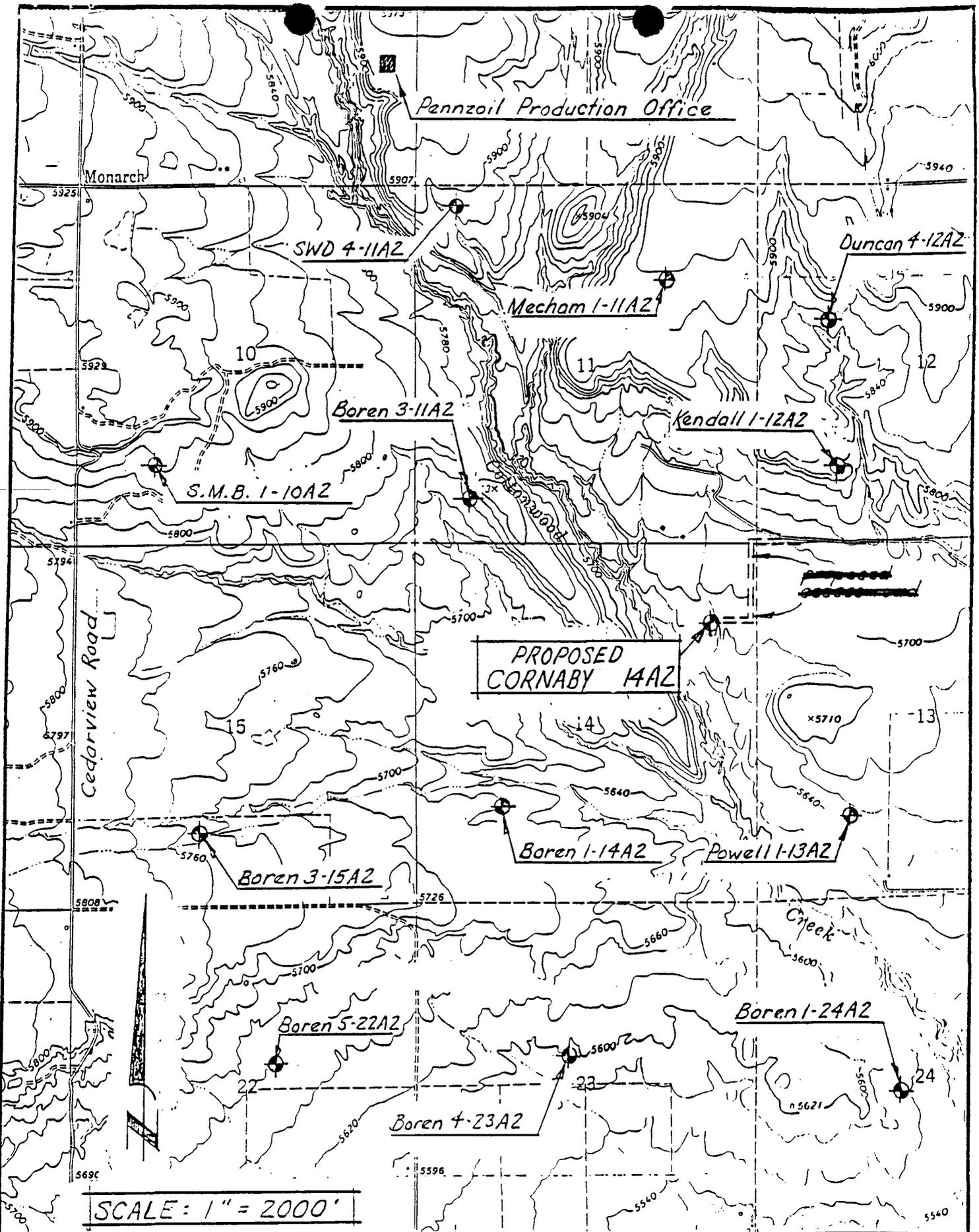
SEP 1 1993

FIGURE No. 1
 13 5/8" ^{11"} OR ^{5000 psi} 5,000 psi ①
 TRIPLE GATE & BAG TYPE BOP STACK
 W/HYDRAULIC CONTROLS AND CHOKE
 MANIFOLD FOR:

SEP 1 1993



- ① = ALL BOP CONNECTIONS SUBJECTED TO WELL PRESSURE SHALL BE FLANGED, WELDED OR CLAMPED.
- ② = HAND WHEELS FOR EACH SET OF RAMS UNLESS EQUIPPED WITH AUTO LOCK.
- ③ = DRILLING SPOOL UNLESS BOTTOM BOP EQUIPPED WITH SIDE OUTLETS.
- ④ = KILL LINE W/2-2" VALVES & 1-2" CHECK VALVE WITH KILL LINE TO OUTER EDGE OF THE SUB STRUCTURE.
- ⑤ = TOP OF CASING HEAD FLANGE WILL BE AT GROUND LEVEL.
- ⑥ = REMOTE CONTROLS ON RIG FLOOR.



Pennzoil Production Office

Monarch

SWD 4-11A2

Duncan 4-12A2

Mecham 1-11A2

Boren 3-11A2

Kendall 1-12A2

S.M.B. 1-10A2

**PROPOSED
CORNABY 14A2**

Cedarview Road

Boren 3-15A2

Boren 1-14A2

Powell 1-13A2

Boren 5-22A2

Boren 1-24A2

Boren 4-23A2

SCALE: 1" = 2000'

DRL 12/27/90

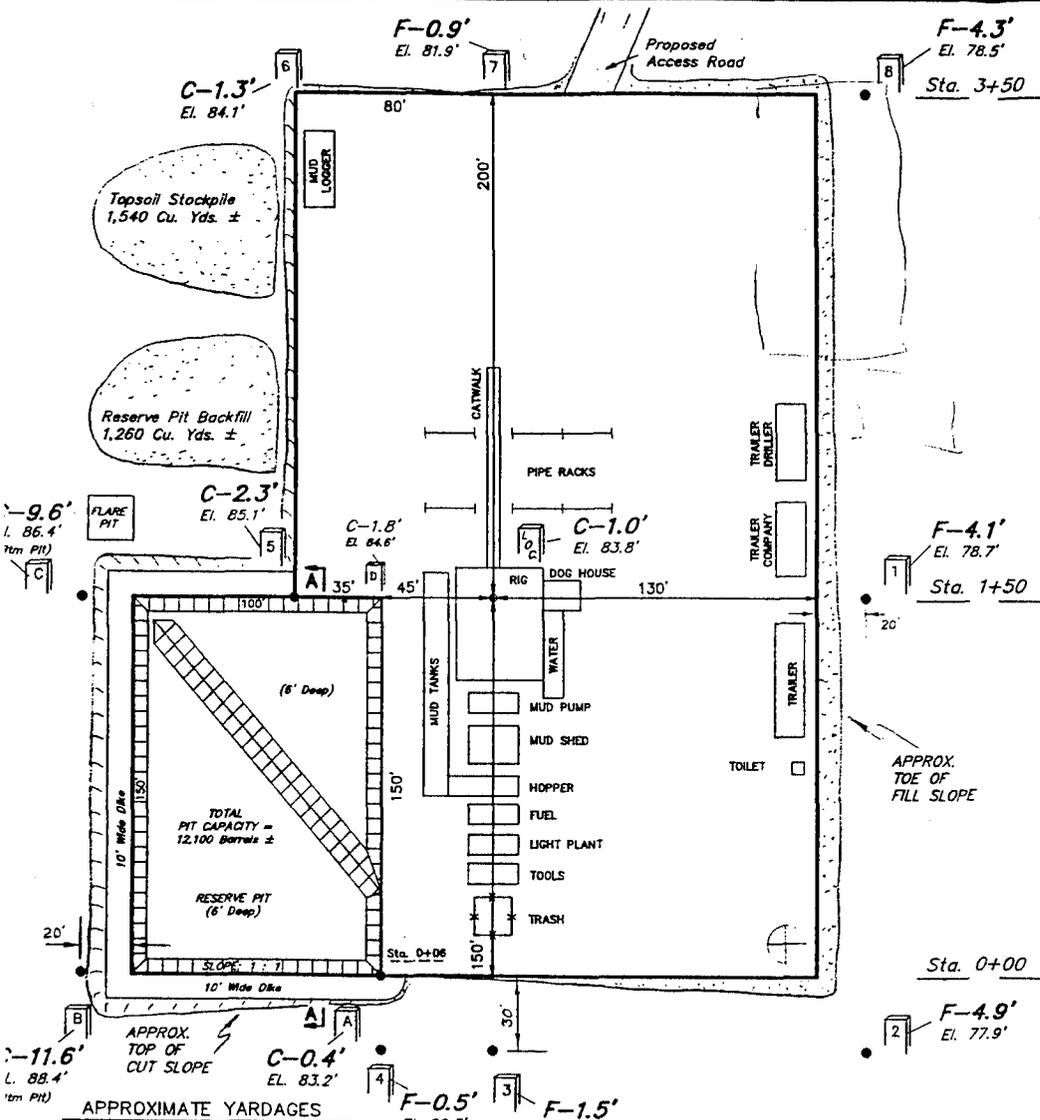
AREA TOPOGRAPHY MAP

Proposed Well: CORNABY 3-14A2, NENE Sec. 14, T15, R2W, Duchesne Co., Utah

Submitted to Utah Division Oil, Gas, & Mining by Pennzoil Explor. & Prod Co

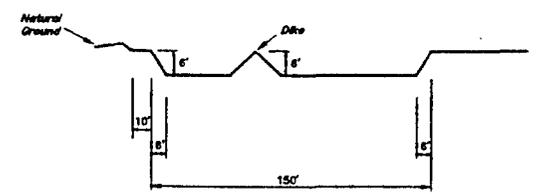
SEP 1 1993

PENNZOIL EXPLR. & PROD. CO.
 LOCATION LAYOUT FOR
 CORNABY #2-14A2
 SECTION 14, T1S, R2W, U.S.B.&M.

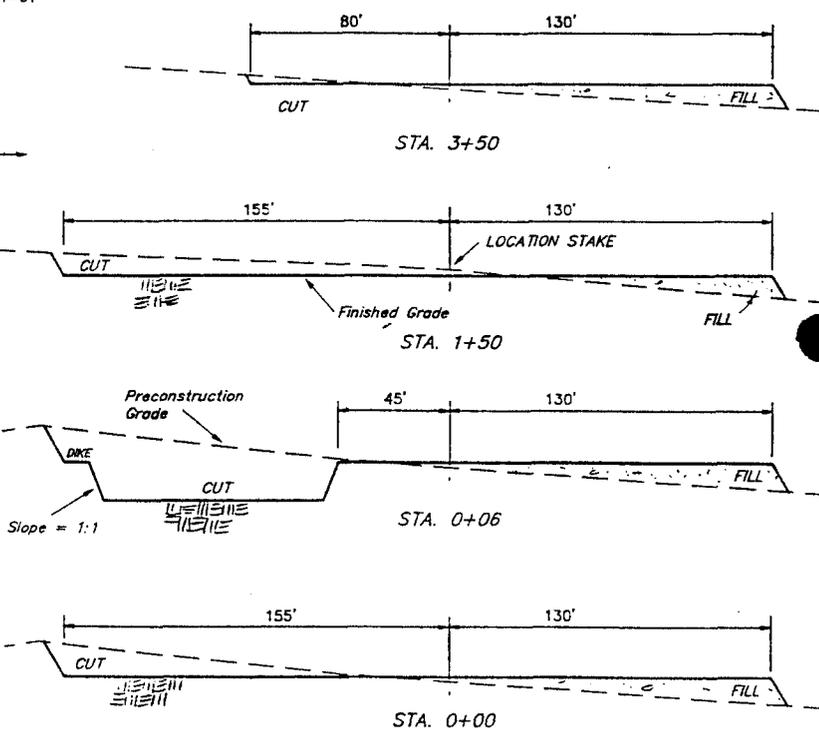


SCALE: 1" = 50'
 DATE: 1-3-91
 DRAWN BY: T.D.H.
 REVISED: 4-24-91

X-Section Scale
 1" = 50'



SECTION A-A
 NO SCALE



TYPICAL LOCATION CROSS SECTIONS LAYOUT

APPROX. TOE OF FILL SLOPE

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,540 Cu. Yds.
Remaining Location	= 5,450 Cu. Yds.
TOTAL CUT	= 6,990 Cu. Yds.
FILL	= 3,920 Cu. Yds.

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,860 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,800 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 60 Cu. Yds.

Elev. Ungraded Ground at Location Stake = 5683.8'
 Elev. Graded Ground at Location Stake = 5682.8'

DRILLING LOCATION ASSESSMENT
State of Utah
Division of Oil, Gas & Mining

OPERATOR: PENNZOIL EXPLOR & PROD WELL NAME: CORNABY #2-14A2 (RE-ENTRY)
QTR/QTR: NE/NE SECTION: 14 TWP: 01S RANGE: 02W
COUNTY: DUCHESNE FIELD: BLUEBELL F L F L
SFC OWNER: DR. FOCENBERY LEASE #: FEE #43-013-31299
SPACING: F SECTION LINE 1157' FNL 660 FEL F QTR/QTR LINE F ANOTHER WELL
INSPECTOR: INGRAM & HACKFORD DATE & TIME: 9:00 AM 9/15/93
PARTICIPANTS: DENNIS INGRAM, DAVID HACKFORD, DANNY LAMAN

REGIONAL SETTING/TOPOGRAPHY: 2.2 MILES SOUTH AND 2.1 MILES WEST OF NEOLA
UTAH.

LAND USE

CURRENT SURFACE USE: PENNZOIL HAS A SHUT-IN GAS WELL AT PRESENT TIME ON THIS
LOCATION AND PLAN TO DEEPEN INTO THE WASATCH.

PROPOSED SURFACE DISTURBANCE: LEASE CONSISTS OF 4 TO 5 ACRES. PENNZOIL WILL
RE-OPEN OLD RESERVE PIT AND EXPAND LOCATION ON THE WEST SIDE APPR.
30 FEET.

AFFECTED FLOODPLAINS AND/OR WETLANDS: COTTONWOOD WASH LOCATED 400 YARDS TO
SOUTHWEST.

FLORA/FAUNA: NATIVE GRASSES AND IRRIGATED CROP LAND. POTENTIAL DEER AND
PHEASANT HABITAT, SONG BIRDS, HAWKS, ETC. ALSO LIVESTOCK PASTURE.

ENVIRONMENTAL PARAMETERS

GEOLOGY

SOIL TYPE AND CHARACTERISTICS: SANDY LOAM

SURFACE FORMATION & CHARACTERISTICS: COBBLE ROCK

EROSION/SEDIMENTATION/STABILITY: STABLE, NO EROSION AT PRESENT TIME.

SUBSURFACE GEOLOGY

OBJECTIVE(S)/DEPTH(S): _____

ABNORMAL PRESSURES - HIGH AND LOW: NORMAL PRESSURES EXPECTED IN
WASATCH.

CULTURAL RESOURCES/ARCHAEOLOGY: _____

WATER RESOURCES: DRY GULCH IRRIGATION SYSTEM LOCATED 400 YARDS TO WEST
IRRIGATED FIELD TO THE NORTH.

RESERVE PIT

CHARACTERISTICS: RESUME OLD PIT

LINING: LINE WITH 12 MIL PLASTIC

MUD PROGRAM: 10PPG BRINE THEN ABOVE 10PPG GO TO polymer FRESH WATER
SYSTEM

DRILLING WATER SUPPLY: TO BE HAULED IN . LAMAN WILL GET PERMIT NUMBER
BEFORE SPUD.

OTHER OBSERVATIONS:

STIPULATIONS FOR APD APPROVAL:

ATTACHMENTS

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 09/01/93

OPERATOR: PENNZOIL EXPLR & PROD CO
WELL NAME: CORNABY 2-14A2 RE-ENTRY

OPERATOR ACCT NO: N- 2885

API NO. ASSIGNED: 43-013-31299

LEASE TYPE: FEE LEASE NO: _____
LOCATION: NENE 14 - T01S - R02W DUCHENE COUNTY
FIELD: BLUEBELL FIELD CODE: _____

CONFIDENTIAL

RECEIVED AND/OR REVIEWED:

- Plat
- Bond \$30,000 SURETY BOND
(Number 31065280 FEO.INS.CO.)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit
(Number _____)
- RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

- R649-2-3. Unit: _____
- R649-3-2. General.
- R649-3-3. Exception.
- Drilling Unit.
Board Cause no: 139-42
Date: 4/12/85

COMMENTS: WILL PROVIDE WATER PERMIT ON
SUNDAY BEFORE DRILLING BEGINS.

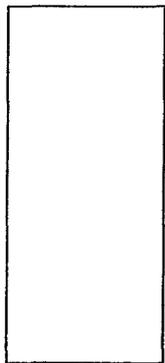
Re-enter and Deepen

1. Fee bonding stipulation a synthetic liner of _____
2. ⁱⁿ ~~STIPULATIONS:~~ Pits to be lined with ~~12 mil~~ ^{maximum} thickness.
3. Perform all ^{necessary} preliminary work as outlined in the Application for Permit to Drill and Deepen.

cc: Duchene County Assessor
Bureau of Land Management, Ternal

LOCATION PLAT

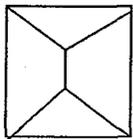
CORNABY 2-14A2
SEC.14 T1S R2W
DUCHESNE COUNTY, UTAH



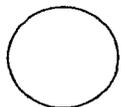
SEPERATOR



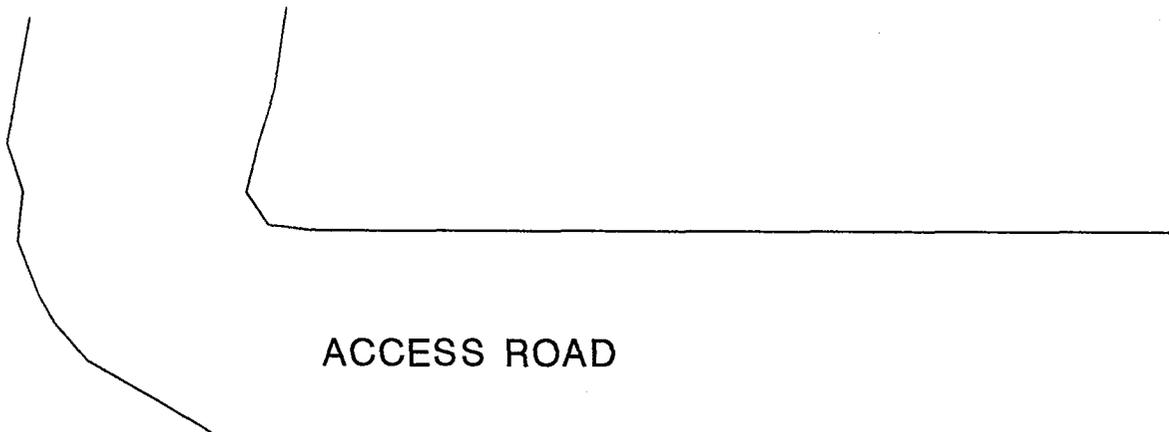
WELLHEAD



METER SHED



PIT TANK



ACCESS ROAD



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

September 23, 1993

Pennzoil Exploration and Production Company
P.O. Box 290
Neola, Utah 84078

Re: Cornaby 2-14A2 Well, 1157' FNL, 660' FEL, NE NE, Sec. 14, T. 1 S., R. 2 W.,
Duchesne County, Utah

Gentlemen:

Pursuant to Utah Code Ann. § 40-6-6, (1953, as amended) and the order issued by the Board of Oil, Gas and Mining in Cause No. 139-42 dated April 12, 1985, approval to re-enter and deepen the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Pennzoil Exploration and Production Company ("Pennzoil"), as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with Pennzoil until the division is notified by letter of a new bonded principal.
2. The reserve pit is to be lined with a synthetic liner of 12 mil minimum thickness.
3. Pennzoil shall perform all necessary preliminary work as outlined in the Application for Permit to Drill and Deepen.
4. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
5. Notification within 24 hours after commencing drilling operations.

Page 2
Pennzoil Exploration and Production Company
Cornaby 2-14A2 Well
September 23, 1993

6. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
7. Submittal of the Report of Water Encountered During Drilling, Form 7.
8. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
9. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31299.

Sincerely,



R.J. Firth
Associate Director, Oil and Gas

Idc
Enclosures
cc: Duchesne County Assessor
Bureau of Land Management, Vernal
WOI1

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: PENNZOIL

WELL NAME: CORNABY 2-14A2 (RE-ENTRY)

API NO. 43-013-31299

Section 14 Township 1S Range 2W County DUCHESNE

Drilling Contractor NABORS

Rig # 193

SPUDDED: Date 10/25/93

Time _____

How ROTARY

Drilling will commence _____

Reported by DONNIE SNAPP

Telephone # _____

Date 10/29/93 SIGNED DLI

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING INSPECTION FORM

COMPANY: PENNZOIL EXPLOR & PROD COMPANY REP: DONNIE SNAPP

WELL NAME: [REDACTED] API NO: 43-013-31299

QTR/QTR: _____ SECTION: 14 TWP: 1S RANGE: 2W

CONTRACTOR: NABORS RIG NUMBER: #193

INSPECTOR: DENNIS INGRAM TIME: 8:10 AM AM DATE: 10/28/93

OPERATIONS: DRILLING DEPTH: 9268

SPUD DATE: DRY: _____ ROTARY: 10/25/93 PROJECTED T.D.: 14,000

WELL SIGN: Y SANITATION: Y BOPE: Y BLOOIE LINE: Y

H2S POTENTIAL: N/A ENVIRONMENTAL: OK FLARE PIT: Y

RESERVE PIT: Y FENCED: Y LINED: Y PLASTIC: Y

RUBBER: _____ BENTONITE: _____ OTHER: _____ MUD WEIGHT 8.8 LBS/GAL

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: Y

BOPE TRAINING RECORDED IN THE RIG DAILY TOUR BOOK: Y

LEGEND: (Y)=YES (U)=UNKNOWN (NA)=NOT APPLICABLE

REMARKS:
TESTED STACK AND CASING WITH DOUBLE JACK. LOOKED AT CHART ON LEAK-OFF
TEST ON 7" CASING -- LOOKS GOOD. DRILLING WITH WEAK BRINE WATER.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas well Other *re-entry*

2. Name of Operator

Pennzoil Exploration and Production Company

3. Address and Telephone No.

P.O. Box 290 Neola, Utah 84053 (801) 353-4397

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NENE SEC. 14, T1S, R2W

5. Lease Designation and Serial No.

FEE

6. If Indian, Allottee or Tribe Name

UTE TRIBE

7. If unit or CA, Agreement Designation

NW 4 9 8

8. Well Name and No.

CORNABY 2-14A2

9. API Well No.

43-013-31299-00

10. Field and Pool, or Exploratory Area

Bluebell-Wasatch

11. County or Parish, State

Duchesne, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing repair
- Altering Casing
- Other MONTHLY DRILLING REPORT
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

SEE ATTACHED MONTHLY DRILLING PROGRESS REPORT FOR THE PERIOD 10/25/93 THRU 11/29/93. (COMPLETE).



DEC 01 1993

DIVISION OF
GEOLOGY & MINING

14. I hereby certify that the foregoing is true and correct

Signed

D. J. Lambert

Title

PETROLEUM ENGINEER

Date

11/30/93

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

CORNABY 2-14A2
MONTHLY DRILLING PROGRESS REPORT
FOR PERIOD 10/25/93 THROUGH 11/30/93: COMPLETE

- Note: the Cornaby 2-14A2 had already been a producing gas well in the Upper Green River with existing 7" 23# S-95 casing set at 8550'
Prior to rigging up drilling rig, Upper Green River perms. 6443' - 6686' were cement squeezed with 250 sx.
 - MIRU Nabors Drilling Rig # 193. Begin well work 5:00 AM 10/25/93. Pressure tested choke manifold to 5000 psi. Tested hydril BOP to 2500 psi. Pressure tested 7" casing to 3000 psi. All O.K.
 - Drilled 7' new formation 8550' - 8557' and perform formation leak-off test 10/26/93. No leak-off @ 12.5 ppg. EMW.
 - Encountered drilling break @ 11,154' while drilling with 9.0 ppg. brine. Lost 1300 bbls. 9.0 ppg. brine 11,154' - 11,206' on 11/4/93.
 - Encountered lost circ. zone 12,238' - 12,266'. Change mud system from 9.7 ppg. brine to 10.7 ppg. fresh mud system on 11/11/93. Lost total 3400 bbls. brine 11,154' - 12,266'. Lost 1000 bbls. 10.7 ppg. mud while regaining circ. 12,238' - 12,266'.
 - Lost circ. @ 12,488' on 11/14/93. Lost 250 bbls. mud.
Lost circ. @ 12,798' on 11/16/93. Lost 595 bbls. mud.
 - Encountered kick @ 12,947'. Increase mud wt. from 10.8 ppg. to 11.4 ppg. on 11/17/93.
 - Lost circ. @ 13,090' on 11/20/93. Lost 345 bbls. 12.0 ppg. mud.
 - T.D.'d @ 13,680' on 11/23/93 with 13.4 ppg. mud wt. Lost total 5575 bbls. mud.
 - Ran E-logs with Western Atlas: Dual Induction Log with Gamma Ray 13,658' - 8350', Digital Array Acoustilog 13,360' - 8350', CIBL 12,600' - 8000'
 - RIH and set 5" 18# P-110 liner 8347' - 13,680'. Cemented with 400 sx. 50/50 POZ (14.1 ppg. @ 1.27 yld.) with Dowell-Schlumberger additives 2% gel, 0.5% D-112, 10% D-44, 0.5% D-65, 0.2% D-136, 0.25#/sx. D-29, and 0.2% D-13., followed by 270 sx. Saltbond II, (15.9 ppg. @ 1.61 yld) with 35% D-66, 0.7 gal/sx D-604AM, 0.05 gal/sx M-45, 18% NaCl, and 0.2% D-13. Full returns throughout until returns reduced to 50% with 10 bbls. displacement remaining.
- Cleaned out to top of liner @ 8347'. Displaced 7" casing with 9.7 ppg. brine. Flow test well. No flow. Released Nabors Rig 193 @ 11:00PM 11/29/93.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
WORKOVER AND COMPLETION FORM

COMPANY: PENNZOIL EXPLOR & PROD CO. COMPANY REP: DON

WELL NAME: CORNABY #2-14A2 API NO: 43-013-31299

SECTION: 14 TWP: 01S RANGE: 02W

CONTRACTOR: TEMPO WELL SERVICE RIG NUMBER: #2

INSPECTOR: INGRAM TIME: 11:30 AM/PM DATE: 4/5/94

OPERATIONS AT THE TIME OF INSPECTION: FLOWING BACK ACID JOB

=====

WELL SIGN: Y TYPE OF WELL: OIL STATUS PRIOR TO WORKOVER: DRILL

H2S: NO ENVIRONMENTAL: OK PIT: N BOPE: Y

DISPOSITION OF FLUIDS USED: FLAT, FRACK MASTER, AND TRUCK

PERFORATED: Y STIMULATED: _____ SAND CONTROL: _____

WATER SHUT OFF: _____ WELLBORE CLEANOUT: _____ WELL DEEPENED: Y

CASING OR LINER REPAIR: _____ ENHANCED RECOVERY: _____ THIEF ZONE: _____

CHANGE OF LIFT SYSTEM: _____ TUBING CHANGE: _____ OTHER CEMENT SQUEEZE: _____

=====

REMARKS:

(ORIGINAL COMPLETION) WELL WAS GREEN RIVER GAS WELL AND HAS BEEN
DEEPENED INTO THE WASATCH FORMATION. WELL IS STILL FLOWING WATER AT
ON VISIT BUT PUSHER SAYS THEY WILL TURN PRODUCTION TO TANK BEFORE
EVENING. PENNZOIL SAYS THIS WELL IS THE BEST PROSPECT THEY'VE HAD
RECENTLY.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas well Other *re-entry*

2. Name of Operator
 Pennzoil Exploration and Production Company

3. Address and Telephone No.
 P.O. Box 290 Neola, Utah 84053 (801) 353-4397

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 NENE SEC. 14, T1S, R2W

5. Lease Designation and Serial No.
 FEE

6. If Indian, Allottee or Tribe Name
 Ute Tribal

7. If Unit or CA, Agreement Designation
 CA# NW 498

8. Well Name and No.
 CORNABY 2-14A2

9. API Well No.
 43-013-31299-00

10. Field and Pool, or Exploratory Area
 Bluebell-Wasatch

11. County or Parish, State
 Duchesne, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>NOTICE OF FIRST DAY PRODUCTION</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

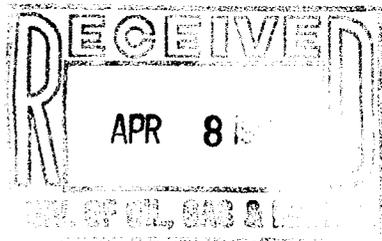
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

The subject well was originally completed as an Upper Green River gas well.

It was deepened to the Wasatch in December 1993. The First Day of Production of the Wasatch completion is as follows:

On April 6, 1994 well flowed: 380 BO / 0 BW / 210 MCF gas in 12 hrs. on 25/64 choke at 550 psi. FTP



14. I hereby certify that the foregoing is true and correct

Signed DR Lambert Title Petroleum Engineer Date April 6, 1994

(This space of Federal or State office use.)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**UTAH DIVISION OF OIL, GAS AND MINING
EQUIPMENT INVENTORY**

Operator: PENNZOIL EXPLOR & PROD COMPANY Lease: State: Federal:
Indian: Fee: Y

Well Name: CORNABY #2-14A2 API Number: 43-013-31299
Section: 14 Township: 01S Range: 02W County: DUCHESNE Field: BLUEBELL
Well Status: POW Well Type: Oil: Y Gas:

PRODUCTION LEASE EQUIPMENT: Y CENTRAL BATTERY:

Y Well head Y Boiler(s) Compressor Y Separator(s)
 Dehydrator(s) 2 Shed(s) Y Line Heater(s) Heated
Separator
 VRU Y Heater Treater(s)

PUMPS:
 Triplex Chemical Centrifugal

LIFT METHOD:
 Pumpjack Hydraulic Submersible Y Flowing

GAS EQUIPMENT:

(2) Gas Meters Y Purchase Meter Y Sales Meter

TANKS:	NUMBER	SIZE
<u>Y</u>	Oil Storage Tank(s)	<u>2-400 BARREL OIL</u> BBLs
<u>Y</u>	Water Tank(s)	<u>1-400 PIT TANK OR WATER.</u> BBLs
<u>N</u>	Power Water Tank	<u> </u> BBLs
<u>N</u>	Condensate Tank(s)	<u> </u> BBLs
<u>N</u>	Propane Tank	<u> </u> BBLs

REMARKS: OPERATOR IN PROCESS OF BUILDING PUMP JACK PAD. WELL WAS FLOWING
ON VISIT. BOILER W/SUPPLY TANK & SHED. GLYCOL TANK WITH 2 CENTRIFUGAL PUMPS.

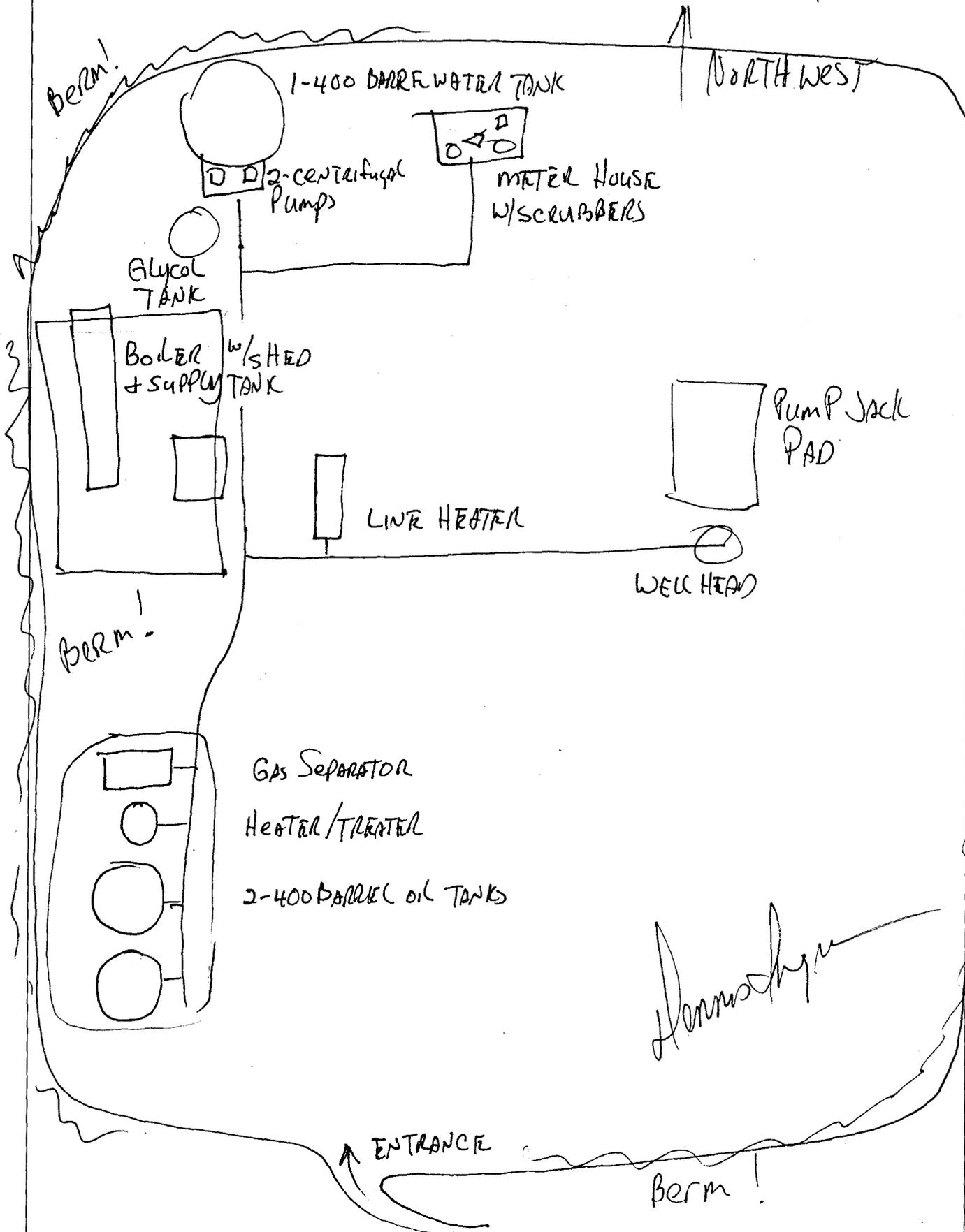
Location central battery: Qtr/Qtr: Section: Township:
Range:

Inspector: DENNIS L. INGRAM Date: 4/21/94

PENNZOIL EXPLORATION & PROD CO
CORWABY # 2-14A2
SEC 14 FORTIS ROW
POW

43-013-31299
4/21/94

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MANUFACTURED IN U.S.A.



Reserve Pit Reclamation Here!

Handwritten signature

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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [] DRY [] Other []

b. TYPE OF COMPLETION: NEW WELL [] WORKOVER [X] DEEPEN [] PLUG BACK [] DIFF. RESVR. [] Other []

2. NAME OF OPERATOR PENNZOIL EXPLORATION and PRODUCTION COMPANY

3. ADDRESS OF OPERATOR P.O. BOX 290; NEOLA, UTAH 84053

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1157' FNL & 660' FEL At top prod. interval reported below same At total depth same

14. PERMIT NO. API 43 013 31299 DATE ISSUED SEPT. 23, 1993

5. LEASE DESIGNATION AND SERIAL NO. FEE LAND 6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBAL 7. UNIT AGREEMENT NAME CA# NW498 8. FARM OR LEASE NAME CORNABY 9. WELL NO. 2-14A2 10. FIELD AND POOL, OR WILDCAT BLUEBELL-WASATCH 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 14, T1S, R2W

15. DATE SPUNDED 10/25/93 16. DATE T.D. REACHED 11/24/93 17. DATE COMPL. (Ready to produce) 4/6/94 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 5706' KB 19. ELEV. CASINGHEAD 5683'

20. TOTAL DEPTH, MD & TVD 13,680' 21. PLUG BACK T.D., MD & TVD 13,616' 22. IF MULTIPLE COMPL., HOW MANY 23. INTERVALS DRILLED BY: ROTARY TOOLS [X] CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) WASATCH GROSS INTERVAL: 12,905' - 13,608' 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, GR, DIGITAL ARRAY ACOUSTILOG 27. WAS WELL CORED NO

28. CASING RECORD (Report all strings set in well) Table with columns: CASING SIZE, WEIGHT LB/FT, DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED

29. LINER RECORD Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT, SCREEN (MD) 30. TUBING RECORD Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD)

31. PERFORATING RECORD (Interval, size and number) WASATCH GROSS: 12,905' - 13,608' (36 INTERVALS; 115' FT., 230 HOLES) 32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION Table with columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, DATE OF TEST, HOURS TESTED, CHOKER SIZE, PRODUCTION FOR, OIL - BBLs, GAS - MCF, WATER - BBLs, GAS - OIL RATIO, FLOW. TBG PRESS., CASING PRESSURE, CALCULATED, OIL - BBLs, GAS - MCF, WATER - BBLs, OIL GRAVITY-API

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) SOLD - PIPELINE - GARY WILLIAMS BLUEBELL GAS PLANT TEST WITNESSED BY D.R. Lankford

35. LIST OF ATTACHMENTS GEOLOGICAL FORMATION TOPS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED [Signature] TITLE Petroleum Engineer DATE 4/18/94

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

APR 22 1994

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Green River	6420'			HI	9795'	■
Mahogany Bench	8425'					
Green River TGR3	9660'					
Green River TU2	10,792'					
Wasatch 200	12,968'					
Wasatch 215	13,271'					
Wasatch 216	13,408'					

 **PENNZOIL EXPLORATION AND PRODUCTION COMPANY**
P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353 - 4397

CONFIDENTIAL

7/28/94

D. R. Lankford

Vicky Carney
Utah Division Oil, Gas, Mining

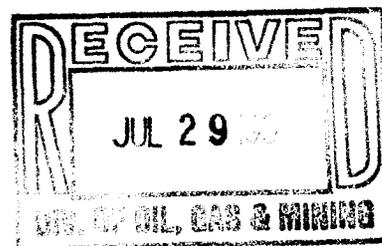
Subject: Cornaby 2-14A2: Deepen to Wasatch

Dear Vicky:

Find enclosed open hole logs from Cornaby 2-14A2 deepening to Wasatch. Sorry about the oversight.

Thanks for the reminder.

DRD



CONFIDENTIAL

GEOLOGICAL WELL REPORT
PENNZOIL EXPLORATION AND PRODUCTION COMPANY
2-14A2 CORNABY 43-013-21299
~~SE/NE~~ Section 14, T1S R2W NEUE
BLUEBELL-ALTAMONT FIELD
DUCHESNE COUNTY, UTAH

Prepared by: Robert (Bob) Womack
Well-site Geologist
6935 S. Ogden Court
Littleton, Colorado 80122
(303) 798-1591

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Distribution List for Reports	26
Geological Well Log	Back Pocket

WELL DATA

OPERATOR: Pennzoil Exploration and Production Company
WELL NAME: Cornaby #2-14A2
LOCATION: SE/NE Sec. 14, T1S, R2W
COUNTY: Duchesne
STATE: Utah
ELEVATION: GL: 5684 KB: 5699
DRILLING FOREMAN: Jack Parrott, Consultant
CONTRACTOR: Grace Drilling, Rig 181
TOOLPUSHER: Gene Oachs
DRAW WORKS: National 370
DERRICK: L. C. Moore; 127'
MOTORS: 2-3406 Caterpillar; 1-396 Caterpillar; 1-Detroit Diesel
PUMPS: No. 1 Gardner-Denver PZ-7; No. 2 Emsco P375
MUD COMPANY: Baroid (NL) Mud Engineers: Jim Garcia, Jim Criswell
MUD TYPE: Water, Saltwater
MUD LOGGING: GEO, Inc.
MUD LOGGERS: Brian Walsh, Anthony Di Censo
CASING: 9 5/8 @ 3300'
CEMENTERS: Dowell/Schlumberger
HOLE SIZE: 12 1/4 to 3300' 8 3/4" to TD
SAMPLES: 10' Samples 6000 - 8600
COMMENCED: 0600 5-12-91
DATE TOTAL DEPTH: TD 0900 6-7-91
STATUS: Preparing to set production casing
TOTAL DEPTH: Driller's TD: 8550
Halliburton Logging: 8550

DAILY WELL CHRONOLOGY

<u>DATE</u>	<u>DEPTH</u>	<u>DAILY FOOTAGE</u>	<u>DAY</u>	<u>REMARKS</u>
5/13/91	970	897	1	Drlg 21.5, Rig repair .5 hr., Survey .75 hr, Trip .75 hr. Rig service .5 hr.
5/14/91	1528	558	2	Drlg. 17.5 hr., Rig repair 2.5 hr., Survey .5 hr., Trip 2.5 hr., Ream .5 hr., Rig service .5 hr.
5/15/91	1977	449	3	Drlg. 15.5 hr., Trip 7.5 hr., Wash to bottom .5 hr., Rig service (RS) .5
5/16/91	2383	406	4	Drlg. 15 hr., Trip 6 hr., Cond. mud- circ 2.5 hr., Surv. 15 hr.
5/17/91	2705	322	5	Drlg. 19 hr., Trip 4 hr., RS .5 hr., Wash to btm .5 hr.
5/18/91	2934	229	6	Drlg 23.5 hr., RS .5 hr.
5/19/91	3140	206	7	Drlg 17.5 hr., Trip 4.5 hr., Cut D.L. 1 hr., Wash to btm 1 hr.
5/20/91	3257	117	8	Drlg 18 hr., Trip 5.5 hr., RS .5 hr.
5/21/91	3300	43	9	Drlg. 5.5 hr., Trip 8.5 hr., Cond hole for surface csg. 3 hr., Wash & ream hole 1.5 hr. Rig for csg. crew 1 hr., Run 76 jts. 9 5/8" FS80-K55 csg 4 hr.
5/22/91	3300	0	10	Wash & ream to 3300' for csg .5 hr. Cement 3.5 hr., WOC 7 hr., Nipple up BOP, 12 hr, Test BOP .5 hr.
5/23/91	3505	205	11	Drlg 6 hr., Trip 2.5 hr., Test BOP & csg 7.5 hr., Test equip & repair 5.5 hr., Drill plug 1 hr., Cement csg head 1.5 hr.
5/24/91	4310	805	12	Drlg 22.5 hr., Survey 1 hr., RS .5 hr.
5/25/91	5010	700	13	Drlg 23 hr., Survey .5 hr., RS .5 hr.
5/26/91	5362	352	14	Drlg 12.5 hr., Trip 7.5 hr., Surv. 1 Wash to btm .5 hr., RS .5 hr.
5/27/91	5765	403	15	Drlg. 22.5 hr., Survey 1 hr., RS .5 hr.
5/28/91	6199	434	16	Drlg 23.5 hr., RS .5 hr.

DAILY WELL CHRONOLOGY

<u>DATE</u>	<u>DEPTH</u>	<u>DAILY FOOTAGE</u>	<u>DAY</u>	<u>REMARKS</u>
5/29/91	6468	269	17	Drlg 14.5 hr., Circ & cond. mud 8.5 hr., Survey .5 hr., RS .5 hr.
5/30/91	6468	0	18	Trip 12 hr., Circ. 9.5 hr., PU test tool 2 hr., Wash & ream .5 hr., DST # 1
5/31/91	6468	0	19	Trip 15 hr., Circ. & cond. mud for DST # 2 7 hr., PU test tool DST # 2 2 hr.
6/ 1/91	6468	0	20	Trip 11 hr., DST # 2 10.5 hr., Breakdown test tools 2.5 hr.
6/ 2/91	6815	347	21	Drlg. 21.5 hr., Rig repair 1 hr., Survey 1 hr., RS .5 hr.
6/ 3/91	7210	395	22	Drlg. 23.5 hr., RS .5 hr.
6/ 4/91	7546	336	23	Drlg. 22.5 hr., Survey 1 hr., RS .5 hr
6/ 5/91	7938	392	24	Drlg. 22 hr., Survey 1.5 hr., RS .5 hr
6/ 6/91	8116	178	25	Drlg. 11 hr., Trip 9.5 hr., Wash & ream 1 hr., RS 2.5 hr.
6/ 7/91	8520	404	26	Drlg 23 hr., Survey .5 hr., RS .5 hr.
6/ 8/91	8550	30	27	Circ out samples, Run E-logs. Tool would not go to bottom. Possible tool centralizer arm in hole. Out of hole and back in to circ. and cond. hole.
6/ 9/91	8550	0	28	Finished running E-logs. Prepare to set and cement production casing.

DRILL STEM TEST

OPERATOR PEPCO		WELL Cornaby 2-14A2	
COUNTY AND STATE Duchesne Co., Utah		LOCATION SE/NE Sec 14 T1S R2W	
DST NO. 2	INTERVAL 6441 - 68 (27')	FM Upper Green River	

IO (3 min.) op w/ 2" blow in water.

ISI (60 min.) SI w 2 psig

FO (210 min.) Open w/slight blow at bottom of bucket.

GTS 5 min. w/15 psig (41 MCF) w/1/4" choke

45 min @ 43 psig (80 MCF) w/1/4" choke

105 min @ 112 psig (180 MCF) w/1/4" choke

165 min @ 86 psig (370 MCF) w/3/8" choke

210 min @ 100 psig (370 MCF) w/3/8" choke

FSI (360 min.) 100 psig w/3/8" choke

DP REC: 270 ft. (1.323 bbl)

drilling mud

SCR: (SC Vol 2500 cc)

Rec. 150 cc mud.

GAS 1.64 CFG @ 225 psi

OIL -- °API @ -- °F

TIME	TOP RECORDER
3 min.	IHP 3263 #
60 min.	IFP 68 # - 69 #
210 min.	ISIP 2948 #
360 min.	FFP 68 # - 168 #
	FSIP 3003 #
	FHP 3200 #
	BHT 118 °F

Rw's and CHLORIDES: (Cl ⁻ x 1.65 = NaCl)			
Spl. Chbr.	Rw .09	@ 68	°F PPM
Top DP	Rw	@	°F PPM
Mid DP	Rw .09	@ 68	°F 91000 PPM
Bottom DP	Rw	@	°F PPM
Filtrate	Rw .09	@ 68	°F 91000 PPM
Pit Mud	Rw .09	@ 68	°F PPM
Rec. Mud	Rw .09	@ 68	°F PPM

TIME	BOTTOM RECORDER
3 min.	IHP 3275 #
60 min.	IFP 75 # - 75 #
210 min.	ISIP 2961 #
360 min.	FFP 75 # - 175 #
	FSIP 3025 #
	FHP 3212 #
	BHT 118 °F

MUD PROPERTIES	
MUD WT.	9.3 VIS 36
pH	-- WL N/A
Cl ⁻	91000 Ca
Nitrates	--

COMPARATIVE FORMATION TOPS

FORMATION	Pennzoil 3-11A2 Boren SW Sec. 11 T15 R2W Duchesne Co., Utah K.B. 5798		Pennzoil 2-14A2 Cornaby SE/NE Sec. 14 T15 R2W Duchesne Co., Utah K.B. 5699		ELOG		ELOG	
	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM

FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM
Green River	6488	-690	6449	-750	6443	-744	6352	-653
g2	6668	-870	6501	-902	6602	-903	6528	-829
GR/Tgm	6981	-1183	6922	-1223	6921	-1222	6842	-1143
GR/Z	--	--	--	--	7058	-1359	7115	-1416
GR/Evac. Creek	7275	-1477	7057	-1358	7202	-1503	7208	-1509
GR/Trona I	7768	-1970	7677	-1978	7676	-1977	7678	-1979
GR/C3	8175	-2377	8106	-2407	--	--	8116	-2417
GR/Parachute Creek	8360	-2562	8305	-2606	8304	-2605	8302	-2603
GR/Mahogany Bench	8484	-2686	8416	-2717	8421	-2722	8436	-2737

SAMPLE DESCRIPTIONS

Pennzoil Exploration and Production Company
Cornaby 2-14A2
SE/NE Sec 14 T1S R2W
Duchesne County, Utah

- 6000 - 6010 Shale, light/medium gray, slight to non-calcareous, very slightly micaceous, some waxy, soft shale, medium yellow-brown (10%) slightly calcareous, trace shale light red/maroon (5%) non-calcareous, brittle, some slight mottling. Trace limestone white/tan, slightly chalky.
- 6010 - 6032 Shale, predominantly light/medium gray, some waxy, slightly calcareous, Shale, medium/dark yellow-brown (20%), calcareous, trace shale (5%) maroon, trace free biotite mica flakes.
- 6032 - 6046 Shale, predominantly gray as above, slight trace coal (5%), black vitreous luster, brittle.
- 6046 - 6054 Shale, predominantly light gray waxy/medium gray, slight non-calcareous, some slightly micaceous, trace light greenish-gray soft, shale, medium yellow (20%) sub-blocky, trace shale, light red/maroon (10%) sub platy, trace shale, variegated blue/maroon.
- 6054 - 6068 Shale as above, increase shale white/light gray (10%), chalky in part, slightly calcareous.
- 6068 - 6090 Shale, light gray, waxy, some light greenish-gray to increase dark gray shale, blocky, calcareous with multicolored shales as above.
- 6090 - 6098 Shale, increase white, chalky, platy argillaceous material (10%), some light gray/greenish-gray, translucent, slightly bentonitic, waxy (20%).
- 6098 - 6116 Shale, light gray, waxy, slightly bentonitic, soft to medium gray/greenish-gray, sub-blocky, calcareous, medium firm, shale, yellow/medium yellow-brown (20%), sub platy, slightly calcareous.
- 6116 - 6140 Shale, medium gray/greenish gray, calcareous, trace slightly silty in part, grading to light gray, waxy, very slightly micaceous, sub platy, shale, yellow/yellow-brown (20%), calcareous, trace shale, white/translucent (5%), slightly chalky, slight trace shale, light red/maroon, very slight trace limestone, medium brownish-gray, cryptocrystalline, dense, flaky.
- 6140 - 6166 Shale as above, gray (70%), yellow (20%), red/maroon (10%), trace of slightly silty shale, gray, soft.
- 6166 - 6186 Shale as above. Increase dark gray shale, slightly calcareous, sub blocky, trace biotite mica on shale partings, slight trace coal.

- 6186 - 6200 Shale, light/dark gray (60%), sub blocky, slightly calcareous, light brown-gray (10%) very slightly calcareous, soft, sub waxy, yellow (20%) calcareous, sub platy, to light red/maroon (10%).
- 6200 - 6212 Shale, white (40%), slightly calcareous, very soft, very finely micaceous, light/medium gray shale (20%), calcareous, light greenish-gray shale (10%) sub waxy, yellow/yellow brown (10%), light red/maroon (10%).
- 6212 - 6235 Shale, light/medium gray (30%) to white, (30%) slightly calcareous, some very slightly silty in part, very soft, with light greenish-gray shale (20%), sub platy, sub waxy, and yellow and light red shales.
- 6236 - 6250 Shale, light gray (40%), calcareous, some lightly mottled w/maroon, white shale (30%), very soft, slightly silty in part, very finely micaceous, light greenish-gray (20%) sub waxy, traces yellow and red shales.
- 6250 - 6260 Shale, yellow/yellow-brown (40%) limonitic, calcareous, sub blocky, shale, medium/dark (30%), white shale (10%), light greenish gray shale (10%), trace light red shales.
- 6260 - 6280 Shale, white (30%), slightly calcareous, slightly silty in part, shale, light grayish-green (20%), sub waxy, some very finely micaceous, light/medium gray shale (20%) sub blocky, slightly calcareous, shale, pink/light red (10%), platy, shale, yellow (10%) a/a, trace sandstone light gray/gray-green, calcareous, very fine grained.
- 6280 - 6284 Shale as above.
- 6284 - 6300 Shale, light/medium gray to greenish-gray, very finely micaceous (30-40%), white (10-20%), slightly calcareous, slightly silty, shale, pink (10%), sub blocky. Trace coal.
- 6300 - 6334 Shale, medium gray (30-40%) slight to non calcareous, platy, grading to grayish-green (20%), slightly calcareous with thin breaks of white shale (10-20%), calcareous, earthy to sub waxy, soft, some very finely micaceous. Some yellow, limonitic-colored shale (10%) with trace pink/maroon shale.
- 6334 - 6344 Shale as above, with very thin streak sandstone, white, very fine grained with occasional embedded fine grains, sub rounded, calcareous, friable, probably @ 6342.
- 6344 - 6362 Shale, light green/grayish green (30-40%), non-calcareous, soft, platy, some sub waxy, shale, medium gray (20%), some slightly calcareous, with shale white (10-20%), very soft, very finely micaceous, traces of yellow and red shales as above. Trace coal 6350-6360 sample.
- 6362 - 6392 Shale, light greenish-gray (40%), slight/non-calcareous, gradint to shale, light/medium gray (30%), slightly calcareous, with some shale gray/maroon mottled (20%). Traces yellow and red/maroon shales.

Slight trace medium brown shale, calcareous and white shale.
Trace free small fragments of biotite mica.

- 6392 - 6404 Shale, as above, with increase of light/medium greenish-gray shale, sub plated. Slight increase yellow, limonitic colored shale, firm, grading to medium yellow-brown.
- 6404 - 6420 Shale, medium grayish-green, sub platy, some sub waxy, with shale, medium/dark gray, sub blocky, firm, with slight trace of fossils in dark gray shale, yellow shale grades to medium yellow-brown.
- 6420 - 6440 Shale, medium gray (40-50%) firm with thin streaks shale, light/medium grayish-green (20%), sub platy, sub waxy, soft, with traces of shale, yellow, grading to yellow-brown/brown, calcareous, some slightly silty, firm. Very slight trace coal.
- 6440 - 6443 Limestone, tan/light gray-brown, cryptocrystalline in part, some slightly argillaceous, slightly brittle. Some with dull, golden fluorescence, with occasional pieces giving yellow slow streaming cut.

Top Green River 6443

- 6443 - 6451 Sandstone, white/light gray, very fine grained, some silt sized, none to very poor intergranular porosity, very friable, calcareous, no fluorescence, no show. Good gas show of 12,000 units of gas which produced a 12 foot flare. Trace light reddish-brown rust-colored calcareous material with dark brown oil staining, dull yellow fluorescence and slow to moderate yellow streaming cut.
- 6451 - 6468 Shale, light/medium gray (50%), sub platy, calcareous, shale, medium yellow-brown (20%), blocky, some slightly silty, firm with traces of pink/maroon and white shales, slightly micaceous.
- 6468 - 6476 Shale, light gray/grayish-green, sub platy to blocky, grading to yellow-brown, blocky, some mottling of gray-green/maroon shales. Abundant pipe dope in sample after trip.
- 6476 - 6480 Sandstone, clear/light gray, very fine grained (vfg), subrounded, calcareous, moderately friable, well sorted, with occasional loose medium-sized grain, subround to rounded, no fluorescence, no show. Some sandstone with very fine disseminated mica.
- 6480 - 6486 Shale, predominantly medium gray/grayish-green.
- 6486 - 6492 Sandstone, light gray, vfg, calcareous, well sorted, with occasional embedded loose medium-sized grains, friable, none/very poor visual porosity, no show.
- 6492 - 6502 Shale, medium gray/light gray-green to medium yellow-brown, moderately firm.
- 6502 - 6522 Shale, light gray-green/medium gray, sub platy to blocky and yellow-brown shale (20%), slightly silty in part, with traces shale, white (10%), soft, marly in part.

- 6522 - 6560 Shale, light gray-green, sub waxy to medium gray, trace shale, medium/dark brown-gray with free dark brown oil stain and droplets with dull gold fluorescence with very fast, bright yellow "flash" cut. Thin streaks of sandstone at depths of 6522, 6528, 6536, 6542, and 6552. Sandstone, white, mineralized with orange, green, gray fragments, calcareous, light gray, vf/fg, fair sorting, calcareous, sub angular/sub rounded, poor visual porosity, trace oil stain, moderate yellow fluorescence with quick, bright yellow streaming cut. May be from external oil droplets on sample.
- 6560 - 6602 Shale, light gray-green/medium gray/yellow-brown grading to light brownish-gray, trace white shale, soft, trace pyrite with thin interbeds of sandstone, white, clear, vf/fg, calcareous cement, well cemented, slightly quartzitic, brittle, some light gray, vfg, argillaceous, soft, no show.
- Top GR/Tg2 6602
- 6602 - 6634 Shale, light gray-green/medium gray/medium yellow-brown, soft, some moderately firm, trace white shale, soft, marly with thin interbedded sandstone, medium brown, vf/fg, very calcareous, traces shale, light brown/brown-gray, calcareous.
- 6634 - 6658 Shale, medium brown/gray-brown (20-30%), platy to sub blocky, calcareous, some slightly silty firm with shales, gray/gray-green to slight trace pink/red.
- 6658 - 6661 Sandstone, white/light gray, vfg with fg embedded, calcareous, poor visual intergranular porosity, no fluorescence, no cut, 320 unit gas increase.
- 6661 - 6668 Shale, medium/dark gray-brown, sub platy, slightly calcareous, some brittle, firm with scattered dull gold fluorescence, no cut.
- 6668 - 6706 Shale, medium brown/gray-brown, slightly calcareous (20-30%) with streaks yellow-brown shale, arenaceous in part, calcareous with thin interbedded sandstone, white, vfg/light gray, vf/fg calcareous, fairly consolidated.
- 6706 - 6728 Shale, light/medium brown (20-30%) sub blocky, slight to calcareous with associated gray/gray-green, red-brown, yellow/yellow-brown shales.
- 6728 - 6754 Shale, medium brown, slightly calcareous grading to yellow-brown, argillaceous with thin arenaceous streaks with interbedded gray-green and maroon varicolored shales, traces of pink/dark red-brown shales, some slightly pyritic.
- 6754 - 6762 Sandstone, light gray/gray-brown, vfg with some embedded fine-grains, subangular, friable to fairly well consolidated, no visual porosity, some argillaceous fill. Trace free oil with possible staining of sample.

- 6762 - 6786 Shale, light/medium brown to gray-brown, sub platy to blocky, non/slightly calcareous grading to medium, yellow/yellow-brown with trace siltstone, white/light gray, slightly calcareous, very finely micaceous, very soft.
- 6786 - 6792 Sandstone, white/light gray/light brown, vfg, calcareous, friable to fairly well consolidated, none to very poor intergranular porosity, no visual show. 40 unit gas increase.
- 6792 - 6810 Shale, medium brown/gray brown, slightly calcareous in part, some slightly silty, trace very finely disseminated mica flakes and pyrite crystals. Some scattered dull reddish-gold fluorescence with faint soaking yellow cut. Shale, gray/gray-green/dark red-brown, some mottled with yellow-brown.
- 6810 - 6813 Sandstone, light gray/brown, vfg with scattered loose fine grains, moderately friable, some argillaceous fill with calcareous cement, poor visual porosity, faint dull gold fluorescence with trace slow faint yellow cut.
- 6813 - 6828 Shale, medium brown/gray-brown with dull reddish-gold fluorescence with slow, soaking faint yellow cut, trace free oil spotting on sample with quick, streaming bright yellow cut.
- 6828 - 6858 Shale, medium brown/red-brown/gray-brown (50-60%), sub platy/blocky some calcareous grading to yellow/yellow-brown shale (10-20%) with some gray/gray-green shale. Very thin streaks siltstone, light gray-brown, friable, with possible light visual oil stain, no cut.
- 6858 - 6866 Sandstone, light tan/gray-brown, fairly well consolidated, some friable, vfg, subrounded, calcareous cement, no visual porosity, some with slight visual oil stain, dull yellow fluorescence, with slow faint yellow cut, occasional piece with quick streaming yellow cut.
- 6866 - 6886 Shale, medium brown/gray-brown, sub blocky, moderately firm, some slightly micaceous, trace fine black shale or coal disseminated in some pieces, slightly calcareous with scattered dull reddish-gold fluorescence, slow soaking faint cut, increasing when crushed.
- 6886 - 6900 Shale, medium/dark brown, blocky, slightly pyritic, firm grading to yellow/brown, some slightly silty.
- 6900 - 6921 Shale, medium brown (40-50%), sub platy, calcareous, with streaks becoming silty, firm with trace dull reddish-gold fluorescence and slow, faint, residual cut. Shale, light gray (20%)/gray-green/yellow-brown (10%)/maroon (10%), some varicolored.

Top GR/Tgn 6921

- 6921 - 6926 Sandstone, clear/light gray, vfg with occasional fg, calcareous, friable, with finely disseminated mica, none/poor visual porosity, slight trace light brown oil stain with very slow, faint, yellow cut.

- 6926 - 6968 Shale, medium/dark brown, (50-60%), blocky, calcareous, with streaks becoming very silty, firm grading to medium, yellow-brown (limonitic) shale (10-20%) with 10% each of gray/green/pink shales. Trace dark brown shale, with finely disseminated black shale with no fluorescence, very slow residual cut. Some light gray/gray-green shale with bright yellow mineral fluorescence.
- 6968 - 7002 Shale, medium/dark brown (60%) some slight reddish-brown, non/slightly calcareous, sub blocky, trace pyrite, thin streaks becoming silty, firm, scattered dull reddish-gold fluorescence, trace with slow residual cut.
- 7002 - 7010 Sandstone, white/light gray, vfg, subangular, calcareous, well consolidated in part, poor visual intergranular, no fluorescence, no cut.
- 7010 - 7030 Shale, medium/dark brown (40%), some gray-brown, sub platy to sub blocky, slightly calcareous, with dull red-gold fluorescence, no cut, streaks shale, medium gray to grayish green (40%), blocky, firm, and shale, yellow/yellow-brown (10%) and pink/reddish-brown (10%).
- 7030 - 7036 Sandstone, dirty white/light gray, silt to vfg, calcareous, friable with trace visual dead oil residue, no fluorescence or cut.
- 7036 - 7058 Shale, light/medium gray (30%) to gray-green, sub blocky (30%). Some slightly arenaceous; shale, yellow/yellow-brown (20%), to pink/reddish-brown, sub blocky (10%) with very thin streaks sandstone, light gray, vfg, calcareous, no visual porosity, some fairly well consolidated, no show.

Top GR/Z 7058

- 7058 - 7086 Shale, medium brown, sub blocky to gray-brown (40-50%), sub platy some slightly calcareous, with dull reddish-gold fluorescence, very slow faint yellow residual cut. Shale, gray/gray-green (20%), shale, yellow/yellow brown (10-20%) with some sandy streaks. Thin streaks sandstone, dirty white/light gray, vfg, subangular, some very friable. Some slightly s & p.
- 7086 - 7092 Sandstone, light/medium gray, vfg, subangular, very finely micaceous, moderately consolidated, calcareous, no fluorescence, no show.
- 7092 - 7124 Shale, medium brown/gray-brown (40%) to gray (30%), gray-green (10-20%) to yellow-brown (10-20%), shale, mottled gray/reddish-brown (10%) with thin streaks sandstone as above.
- 7124 - 7138 Shale, tan/medium brown/gray-brown, sub platy to sub blocky, fairly firm, slightly calcareous, occasional light brown oil stain with dull reddish-gold fluorescence, slow, faint soaking yellow to slight green cut. Cut is increased by crushing sample. Trace dark red-brown free oil as globs in sample with quick, bright yellow cut.

- 7138 - 7150 Shale, predominantly brown as above, becoming more silty with some slightly sandy, calcareous, blocky firm.
- 7150 - 7202 Shale, light/dark brown (30-40%), sub platy to blocky, slightly calcareous, with some thin streaks becoming silty, some arenaceous, slightly pyritic, scattered dull red-gold fluorescence, slow, faint soaking cut. Shale, gray/grayish green (30-40%) and light red/red-brown (10%), some mottled red and gray, yellow/yellow-brown, v. limy, soft, with fg sand grains. Thin streak sandstone, light gray, vfg calcareous cement, slightly s & p, friable. Increase dark reddish-brown free oil in sample with quick bright yellow "blossoming" cut.
- Top GR/Evacuation Creek 7202
- 7202 - 7210 Sandstone, clear/dirty white/light gray, vfg with occasional fg in matrix, moderately consolidated with poor visual interangular porosity, some calcareous cement, disseminated flakes of biotite mica, giving effect of s & p. Trace of light brown oil stain with faint yellow fluorescence with slow to moderate faint streaming cut.
- 7210 - 7228 Shale, medium/dark brown/gray-brown (40-50%), sub blocky, calcareous, some slightly pyritic, some with dull red-gold fluorescence and very slow residual cut. Shales, light gray-green (10%) to medium/dark gray-green, nearly bluish-gray (10-20%), yellow/yellow-brown, calcareous with thin streaks becoming arenaceous. Free dark reddish-brown oil globules in sample with none to faint yellow fluorescence and quick, faint yellow, streaming cut.
- 7228 - 7260 Shale, dark brown/gray-brown (30-40%) some becoming very silty, blocky, firm. Shales, light/dark gray/gray-green (20%), calcareous in part; yellow/yellow brown (10-20%), limy, blocky, with arenaceous streaks; dark red-brown globules of free oil continues to increase. Thin streaks sandstone, light gray, vfg, slight calcareous, poor visual porosity with faint yellow fluorescence and very faint residual cut.
- 7260 - 7286 Shale, medium brown to occasional grayish-brown (30-40%) with streaks becoming slightly silty, slightly calcareous. Shale, light/medium gray (20-30%) to greenish-gray (10%) with streaks of yellow/yellow-brown (20%) and medium red/red-brown, blocky. Very thin interbedded siltstone, light gray, argillaceous with finely disseminated mica and dark shale fragments, some grading to vfg sandstone. Trace dark red-brown free oil in sample with dull reddish yellow fluorescence. Free oil globules contaminating sample.
- 7286 - 7304 Shale, as above, yellow/yellow-brown shale becoming more silty. Small amount of free asphalt over shaker (20-30%) in 7290-7300 sample. Dark red-brown/black, thick & gummy, with gas bubbles emitting from "globs". Tar-like "globs" have very dull gold even fluorescence with very quick, bright yellow cut.
- 7304 - 7320 Shale, yellow/brownish-yellow (30-40%) with thin streaks being slightly arenaceous, slight to very calcareous, sub blocky, grading to medium brown (20%), slightly pyritic in part, to dark reddish-brown (10-20%), some slightly silty with occasional small "globs" of asphaltic remnants from zone above.

- 7320 - 7342 Shale, yellow/medium brownish yellow (20-30%), occasional embedded f/medium sand grains, slight to moderate calcareous grading to medium brown, some slightly reddish brown (20%); shale, light/medium gray/greenish-gray (20-30%) with thin streaks sandstone, light gray, vf/fg, subangular, calcareous cement, with none to poor intergranular porosity with occasional dark oil stain with dull or faint gold fluorescence and faint yellow, moderately quick cut (possible asphaltic contamination from above). Small globules of tar-like asphalt throughout samples.
- 7342 - 7366 Shale, light golden-brown/dark brown (30-40%), some slightly pyritic, firm, blocky grading to yellow/yellow brown (10-20%). Shale, light/medium gray/greenish-gray (30%), some mottled gray/maroon shale, trace asphalt globules, but decreasing amounts.
- 7366 - 7380 Shale, medium brown to dark slightly reddish-brown (30-40%) some slightly silty in part, grading to yellow/golden-brownish yellow (10%), some with embedded f/medium sub rounded sand grains, with thin sandstone beds, white/light gray vfg, slight s & p, calcareous cement with none to very poor intergranular porosity. Slight trace coal, some laminated with dark red-brown shale.
- 7380 - 7406 Shale, medium/dark brown to slightly reddish-brown (30-40%) with medium/dark gray (30%) to light greenish-gray (10-20%). Shale yellow/yellow-brown, becoming silty with embedded f/medium sub rounded sand grains, calcareous, soft. Occasional small asphalt "glob" in sample. Very thin streaks sandstone, clear/white, fg to light gray, vfg, slightly argillaceous with calcareous cement.
- 7406 - 7448 Shale, medium brown (40%), gray/greenish-gray (30%), yellow/yellow-brown (20%) with streaks becoming slightly silty and arenaceous. Shale, dark red/reddish brown, blocky, calcareous, firm with dull gold fluorescence, no cut. Asphaltic material decreasing to very infrequent occurrence in sample.
- 7448 - 7462 Shale, medium/dark brown (30%), slightly calcareous, firm, sub platy, some slightly reddish-brown, grading to yellow/yellow-brown (30%) to medium gray (20%), some mottled gray/maroon. Slight increase free dark red-brown oil contaminated sample.
- 7462 - 7472 Shale as above. Increase shale, yellow/yellow-brown (40-50%).
- 7472 - 7524 Shale, light dark brown to reddish-brown (40-50%), sub platy, slight to moderate calcareous. Shale, medium gray/dark gray to bluish gray (20%), shale, yellow/yellow-brown (20%) with thin streaks sandstone, light gray, vfg, calcareous, slightly s & p, no visual porosity. Slight trace free oil, dark red-brown with faint yellow fluorescence and good quick bright yellow cut.
- 7524 - 7544 Shale, medium/dark brown to reddish brown (50%), slightly calcareous, trace laminated black carbonaceous material in brown shale, trace disseminated pyrite. Shales, medium/dark gray (20%), yellow/yellow-brown (20%), silty in part with thin streaks sandstone, light gray, vfg, calcareous, very finely micaceous. Slight increase asphaltic material, black, dark red-brown on edges where light is transmitted

through. Some cooled to vitreous luster, slightly brittle with dull gold fluorescence and good, quick, bright yellow cut. Largest increase in asphaltic "globs" over shale shaker was in sample 7530-7540.

- 7544 - 7562 Shale, medium brown to grayish-brown (50-60%), sub platy, thin silty streaks, trace disseminated pyrite, slightly calcareous, with trace interlaminated thick oil with dull gold/reddish-gold fluorescence and good, quick streaming bright yellow cut. Shale, yellow/yellow-brown (20-30%) and gray shale (10%).
- 7562 - 7578 Shale, light/dark brown (50%), some black interlaminations of oil and trace of surface lamination of dark red-brown/black oil that is possible fracture parting surface, with dull reddish-gold fluorescence and quick bright yellow cut. Shales, yellow/yellow brown (20-30%), calcareous, slightly arenaceous and gray/greenish gray (10%), some mottled gray/maroon. Trace asphaltic material.
- 7578 - 7594 Shale, medium/dark brown (40-50%) as above, shale, yellow/yellow-brown (30-40%) with moderately silty streaks, calcareous, with thin bedded siltstone, light gray, very soft and sandstone, clear/dirty gray, vf/fg, well consolidated, no porosity, no show in sandstone. Slight increase dark red-brown free oil in sample, trace of very small globs of asphalt.
- 7594 - 7612 Shale, medium/dark brown (40-50%), slightly calcareous, some with black carbonaceous lamination, no fluorescence, scattered laminated brown shale gives a quick, blossoming bright yellow cut. Shale, yellow/yellow-brown (20-30%) silty in part and light/medium gray to gray-brown (10%) shale. Trace asphaltic material.
- 7612 - 7628 Shale, medium yellow/yellow-brown (40-50%), sub blocky, some silty in part, some mottled yellow/gray. Shale, medium/dark brown (30%), sub platy, some becoming silty, slightly calcareous, with dark oil stain in lamination surfaces with none to dull reddish-gold fluorescence and quick streaming bright yellow cut of short duration leaving amilky white residue. Shale, light/medium gray/greenish gray (10%), thin streaks siltstone medium/dirty gray, calcareous grading to vfg sandstone with trace pyrite. None to slight trace free dark red-brown oil.
- 7628 - 7656 Shale, light/dark brown (40-50%), platy, laminated with dark oil stain on some exposed laminated surface with none to dull gold fluorescence and quick streaming bright yellow cut. Shale yellow/yellow-brown (20-30%), sub blocky, some with embedded f/medium sand grains. Gray/greenish-gray shale (10-20%) and thin siltstone and sandstone streaks.
- 7656 - 7676 Shale, light brown/dark reddish brown (30-40%) sub platy, some lamination with abundance black gummy oil on surfaces with dull gold/red-gold fluorescence and quick, bright yellow white cut of short duration. Shales, medium yellow/yellow-brown (30-40%) sub blocky, some silty in part; medium gray (10-20%) some mottled yellow/gray, thin sandstone streaks, white/dirty white, vfg, calcareous, moderately consolidated.

Top Trona I 7676

- 7676 - 7724 Shale, medium/dark brown (10-20%), platy, some laminated with oil stain with dull gold fluorescence, quick streaming moderate yellow-green cut to medium yellow-brown (30-40%), sub blocky, slight to moderately calcareous, some silty streaks, medium gray/greenish gray (10%) with thin sandstone, white/dirty white vf/fg calcareous. Some free oil, dark brown to black, no fluorescence, very quick streaming bright yellow-white cut.
- 7724 - 7740 Shale, medium brown (30-40%), sub platy to platy, some dark brown/reddish-brown shale (10%) with red-brown to black oil stain on laminations with dull gold fluorescence, quick bright yellow-white cut. Yellow/yellow or golden-brown (20%), medium gray (10%) to greenish-gray (10%). Very thin sandstone streaks, white/light gray, vfg, calcareous, moderately friable, none to slight porosity. Trace free oil and asphalt in sample.
- 7740 - 7750 Shale as above, increase dark brown/reddish-brown laminated platy shale with oil stain in laminations. Good increase free oil in sample with dull gold fluorescence and quick bright yellow-white cut.
- 7750 - 7770 Shale as above. Abundant asphalt and some (5-10%) free oil globules in sample.
- 7770 - 7788 Shale, medium brown (20-30%), sub blocky, slightly calcareous to dark brown (10-20%), platy, some with interlaminated oil stain with dull gold fluorescence, quick streaming moderate to bright yellow-white cut. Yellow/yellow-brown shale (20-30%), some slightly arenaceous, medium gray-greenish-gray shale (10-20%) and mottled gray/maroon (10%) with thin streaks siltstone (5%) light gray, slightly argillaceous, soft grading to sandstone, white/light gray, vfg, calcareous, a light salt & pepper. Slight trace free oil in sample.
- 7788 - 7802 Shale, yellow/yellow or golden-brown (40-50%), sub blocky, some silty streaks becoming slightly arenaceous in part. Shale, medium brown/dark reddish-brown (20-30%); gray/greenish gray shale (10-20%) with thin streaks siltstone and sandstone as above.
- 7802 - 7824 Shale, as above, with streaks of yellow-brown shale becoming more silty, slightly calcareous, slight trace free oil in sample.
- 7824 - 7848 Shale, yellow/golden-brown (40-50%) blocky with thin streaks becoming slightly silty to medium/dark brown (20%), sub platy/platy, firm, some slightly laminated, some with oil stain with dull gold fluorescence and quick streaming bright yellow-white cut. Shale, gray/greenish-gray, some slightly arenaceous in part.
- 7848 - 7892 Shale, medium brown/dark reddish-brown (30-40%) to yellow/golden brown (20-30%) and gray/greenish-gray (10-20%) with thin streaks siltstone, tan, some slightly argillaceous, very finely pyritic, none to slightly pyritic. Slight increase asphalt in 7850-60 sample.

- 7892 - 7912 Shale, medium brown/dark reddish brown (40-50%), some laminations with dark brown oil staining with dull gold fluorescence with slow to moderate streaming bright yellow to yellow-white cut. Shale yellow/yellow-brown (20%) some becoming silty/arenaceous in part, slightly calcareous, moderately firm. Shale, medium gray/greenish-gray (10%), trace dark green shale with some mottled gray/maroon. Thin streaks siltstone, tan, slightly calcareous, slightly argillaceous in part, soft.
- 7912 - 7952 Shale, medium brown, sub blocky (20%), dark reddish-brown (20-30%) sub platy to platy with some oil stain on laminated surfaces with very dull gold fluorescence and slow to moderate streaming bright yellow cut. Shale, yellow to yellowish brown (20-30%), sub blocky, slightly calcareous, with thin streaks becoming silty. Shale, gray/greenish gray (10%) with trace dark green or bluish-green shale. Very thin zones siltstone, tan/light gray, slight calcareous with trace faint gold/reddish gold fluorescence with slow streaming yellow cut of short duration.
- 7952 - 7966 Shale, medium brown/dark reddish brown (20-30%), yellow/yellow brown, (20-30%), medium gray/greenish gray (10-20%) with thin bedded sandstone, tan to clear/light gray, vfg, calcareous, moderately friable, none to poor porosity, with trace pinpoint oil stain with weak reddish-gold fluorescence, slow streaming moderate yellow cut. Trace free pyrite in sample. Increase dark red-brown/black asphaltic material at 7950-7960 which cools to hard pieces with vitreous luster and gas bubble holes.
- 7966 - 7984 Shale, yellow/yellow-brown (50-60%) sub blocky to blocky, some slightly silty to medium brown (10-20%), gray/greenish gray shale (10%) with very thin breaks of siltstone, light brown, slightly friable with trace oil stain with faint reddish-yellow fluorescence and slow streaming cut.
- 7984 - 8004 Shale, medium brown (10%) platy, some laminated, slightly silty in part with trace oil stain on lamination surfaces to dark brown (30-40%) sub platy to sub blocky. Shale, yellow/yellow/brown (20-30%), some silty to arenaceous, calcareous. Trace sandstone, white/light brown, vf/fg, calcareous cement, no porosity.
- 8004 - 8012 Shale, as above, good increase free dark red-brown/black oil with dull reddish-gold fluorescence and quick bright yellow to yellow-white cut.
- 8012 - 8044 Shale, medium brown (10-20%) soft to dark brown (30-40%), sub platy slightly pyritic with some dull gold/red-gold fluorescence, with slow streaming yellow cut. Shale yellow/yellow-brown (20-30%), silty in part with thin streaks becoming arenaceous.
- 8044 - 8062 Shale as above. Poor sample after trip. Slight increase in free oil.
- 8062 - 8104 Shale, medium brown (30%), some laminated with black carbonaceous material, leached texture with dull gold fluorescence, occasional quick bright yellow white cut, with shale, dark brown/red-brown (20-30%),

subplaty to blocky. Yellow/yellow-brown, calcareous with streaks becoming arenaceous. Trace shale, white and gray/greenish-gray (10-20%) and very thin streaks siltstone, white/dirty white/light brown, fair calcareous cement, some slightly friable.

- 8104 - 8114 Shale, yellow/gold-brown (40%) slightly calcareous, some slightly arenaceous streaks. Shale, gray/greenish-gray/mottled yellow-gray (40%), some with embedded fg sand grains. Shale medium/dark brown (20%). Trace light green-gray shale, micaceous.
- 8114 - 8136 Shale, light/medium brown (20-30%) platy to sub blocky, some laminated, leached or slightly spongy texture due to inter laminated carbonaceous materials, dull gold fluorescence with occasional quick bright yellow-white cut, dark brown (20%), light gray/medium greenish-gray (20%). Yellow/gold-brown (20%) slightly calcareous, thin silty to arenaceous streaks. Slight increase in dark red-brown/black asphalt in sample 8130-8140.
- 8136 - 8170 Shale, light/medium brown (20%), slightly calcareous with thin streaks becoming slightly silty to dark brown (20-30%) sub platy with some finely laminated with trace of reddish-brown oil stain with dull gold-red fluorescence with quick bright yellow white cut of short duration. Shale, medium gray (20%) and medium gold-brown (10-20%).
- 8170 - 8186 Shale, light/medium brown (20-30%), dark brown (20%) with trace free oil in 8170-8180 sample with dull gold-red fluorescence. Shale, medium gray/greenish-gray (20%) and gold brown shale (10-20%).
- 8186 - 8214 Shale, medium brown (20-30%), sub platy with trace dark brown oil stain in very fine laminations with dull gold fluorescence, moderately quick bright yellow cut, to dark brown shale (40-50%), sub platy to blocky, some black oil stain, no fluorescence with slight, slow faint yellow cut. Shale, medium gray (10%), sub blocky.
- 8214 - 8226 Shale, light/medium brown (20-30%), some slightly silty in part, slightly calcareous with dull red-gold fluorescence and quick bright yellow-white cut of very short duration. Shale, dark brown (40-50%) non-calcareous, sub platy to sub blocky, with trace free oil spots, no fluorescence with quick bright yellow cut diffusing quickly to faint milky cut. Shale, medium gray (10%) and gold-brown (5-10%).
- 8226 - 8270 Shale, light/medium brown (20%) to dark brown (50-60%) as above.
- 8270 - 8304 Shale, light/medium brown (30%), to dark brown (30-40%), shale, gray/greenish-gray (10-20%) and light yellowish gold (10-20%).
- Top GR/Parachute Creek 8304
- 8304 - 8336 Shale, medium brown (20-30%), sub platy, trace lamination with dull reddish-gold fluorescence and slow streaming faint yellow cut of short duration interbedded with shale, dark brown (30-40%), sub platy/sub blocky, some finely pyritic, firm, no fluorescence with slow pale-yellow cut with occasional bright yellow white cut. Thin streaks shale, gray/greenish gray (10%) and yellowish brown (10%).

- 8336 - 8350 Shale, light/medium rust-brown (20-30%), sub platy, some laminations with brown oil stain on exposed surface with dull reddish-gold fluorescence and slow streaming pale yellow cut, to dark brown shale (20-30%), some very dark brown/black platy, no fluorescence with faint yellow soaking cut, interbedded with shale, light/medium gold (10-20%), some slightly silty and some varicolored gold/gray, trace limestone, brown, cryptocrystalline, dense, trace free oil.
- 8350 - 8390 Shale, light/medium rust brown (20%) to dark brown (40-50%) as above with interbedded gray shale (10-20%) with thin streaks red-brown/orange-brown shale (5%) with trace limestone, medium gray-brown, cryptochrySTALLINE, dense, platy.
- 8390 - 8400 Shale as above. Slight increase reddish-brown/orange-brown shale, hematitic, slight trace free oil spotting.
- 8400 - 8416 Shale, light/medium brown (30%) to dark brown (40-50%), platy with oily or soapy texture on surfaces, no fluorescence, with quick pale or faint yellow cut. Increase shale, medium gold-brown (20%), some slightly arenaceous and gray shale (5-10%), slightly pyritic. Thin streaks siltstone white/light gray, calcareous cement, none or very poor intergranular porosity, friable grading to vfg sandstone.
- 8416 - 8421 Shale, light/medium brown (40%), some finely laminated with "spongy" texture with dull gold/reddish-gold fluorescence and slow, pale yellow/yellow-white cut and dark brown shale (30%) with increase medium gold-brown shale (20%), some slightly arenaceous.

Top Mahogany Bench 8421

- 8421 - 8452 Shale, light, rust colored/dark brown (90%), sub platy to blocky, with marly texture, some laminated with oil in laminated surfaces, with dull gold fluorescence and quick streaming bright yellowish-white cut.
- 8452 - 8464 Shale, light/medium brown (80%) as above with interbedded shale, gray/greenish-gray (10-20%) with some varicolored shale gray/gold-brown/lavender, trace siltstone, white/light gray, calcareous, grading to vfg sandstone, slightly friable.
- 8464 - 8476 Shale, light/medium brown (30%) as above to light/medium gray/greenish gray (50-60%) with some gold-brown shale, occasionally silty with thin streaks siltstone, white, calcareous, slightly friable grading to vfg sandstone with poor to fair intergranular porosity.
- 8476 - 8500 Shale, light/medium brown (20%) with irregular oil staining due to lamination partings with dull gold/red-gold fluorescence and quick streaming or blossoming bright yellowish-white cut. abundant cavings due to mud weight raised to 9.3+, shale (cavings), varicolored, and siltstone. Thin streaks of siltstone, light gray grading to vfg sandstone, light brown (10%) moderately consolidated, calcareous cement, poor intergranular porosity with trace of visual oil stain with dull yellow-gold fluorescence and slow, faint, yellow streaming cut.

- 8500 - 8512 Shale, light/medium brown (10-20%) with abundant cavings with interbedded sandstone, light gray, vfg, calcareous cement, some friable with thin streaks sandstone, light brown, vfg/silt with visual oil stain, none/poor porosity none to dull yellow fluorescence.
- 8512 - 8532 Shale, light/medium brown as above, to dark brown, slightly calcareous, firm, some very pyritic with thin interbedded sandstone, clear/light brown, vfg with scattered fine grains imbedded, slightly quartzitic in part, none to poor porosity, some with dull gold-yellow fluorescence and quick bright yellow cut, some with no fluorescence and slow, faint yellow cut.
- 8532 - 8540 Sandstone, clear/light brown (10-20%), vfg/fg, subangular, moderately consolidated, slightly calcareous, none to poor porosity, trace of visual spotty to even oil stain with pale yellow fluorescence with slow streaming yellow cut and occasional fast streaming cut. Trace sandstone, dark brown, vfg, slightly quartzitic, brittle, none or very faint gold fluorescence with slow yellow cut. Shale, medium/dark brown (60-70%).
- 8540 - 8550 Not examined by geologist.

PENNZOIL CORNABY # 2 - 14A2

DAILY MUD PROPERTIES

Date	Depth	Wt In/Out	Vis	PV	YP	Gel	WL	C 32nd	% Sol	% Oil	% Sand	pH	Chloride mg/L	Calcium mg/L	Cost Daily	Cost Cum
5/12/91	289	9.2	36	7	20	11/14	NC	--	7	--	5	11.5	650	80	1,100	1,100
5/13/91	1117	8.4/8.5	26	--	--	--	--	--	.5	--	--	11.5	600	400	600	1,700
5/14/91	1760	8.4/8.5	--	--	--	--	--	--	.5	--	--	11.5	550	200	150	1,850
5/15/91	2289	8.4/8.5	--	-	Water	--	--	--	.5	--	--	11.2	600	160	230	2,080
5/15(2)	2350	10.2	36	9	9	2/8	13.6	2	7	--	Tr	9.5	350	80	--	--
5/16/91	2530	10.7	38	10	10	2/12	12.8	2	8	--	1	7.5	1,900	240	1,300	3,280
5/17/91	2848	10.7	44	14	13	5/18	13.4	2	8	--	1	8.5	2,100	88	8,505	11,785
5/18/91	2978	10.5	40	11	13	5/20	14.2	2	8	--	1	8.5	2,200	64	0	11,785
5/19/91	3202	10.2	37	6	15	10/22	20	2	7.5	--	1	8	2,700	120	233	12,018
5/20/91	3302	10.1	40	7	17	12/28	20	2	7.5	--	1	7.5	2,900	192	334	12,352
5/21/91	3302	8.4	26		Surface Csg	--	--	--	.5	--	1	10	2,800	120	0	12,352
5/22/91	3302	8.4	26		WOC	--	--	--	.5	--	--	10	2,800	128	0	12,352
5/23/91	3884	8.4	27	--	--	--	--	--	--	--	--	10	2,980	272	153	12,505
5/24/91	4667	8.4	27	--	--	--	--	--	.5	--	--	11.5	3,100	360	275	12,780
5/25/91	5200	8.3/8.4	27	--	--	--	--	--	.3	--	--	11.5	2,500	580	275	13,055
5/26/91	5490	8.4/8.5	27	--	--	--	--	--	.5	--	--	11.5	2,500	680	159	13,214
5/27/91	5885	8.5	29	--	--	--	--	--	.5	--	--	11.5	2,500	680	112	13,326
5/28/91	6250	8.5	28	--	--	DST # 1 & 2	--	--	.5	--	--	11.5	2,500	680	203	13,529

Date	Depth	Wt		Vis	PV	YP	Gel	WL	C 32nd	% Sol	% Oil	% Sand	pH	Chloride mg/L	Calcium mg/L	Cost	
		In/Out														Daily	Cum
5/29/91	6470	9.3		29	1	1	0/1	--	--	1.5	--	--	12	100,000	1,120	4,622	20,667
5/30/91	6470	9.3		36	8	26	8/14	--	--	1.4	--	Tr	12	96,000	1,100	2,874	23,541
5/31/91	6470	9.5		39	7	28	15/20	--	--	3	--	Tr	9	93,000	1,180	5,279	28,820
6/ 1/91	6500	9.0		29	--	--	--	--	--	.5	--	--	11.5	60,000	600	573	29,393
6/ 2/91	6900	8.8/8.9		28	--	--	--	--	--	.5	--	--	11	55,000	520	0	29,393
6/ 3/91	7250	8.8/8.8		28	--	--	--	--	--	.5	--	--	11	50,000	520	110	29,503
6/ 4/91	7600	8.8		28	--	--	--	--	--	.5	--	--	10	50,000	760	387	29,890
6/ 5/91	7725	8.8		27	--	--	--	--	--	.5	--	--	11	50,000	760	1,912	31,802
6/ 6/91	8044	9.0		27	--	--	--	--	--	1	--	--	10	72,000	600	361	32,163
6/ 7/91	8500	9.1		34	--	--	--	--	--	--	--	--	8	73,000	760	--	--
6/ 8/91	8550	9.1		35	8	12	--	15	--	--	--	--	9.0	112,000	960	unknown	

BIT RECORDWell: Cornaby #2 - 14A2State: Utah

Bit No.	Size	Make	Type	Jets	Depth Cut	Footage	Hours	Grade		
								T	B	G
1	12 1/4	STC	S11J	3-18	970	897	21.5	3	8	1/2
2	12 1/4	SEC	S33	3-18	1590	620	20	6	8	1/8
3	12 1/4	SEC	S33	3-18	1857	267	9	6	8	1/8
4	12 1/4	STC	F15	3-18	2373	516	17	3	7	In
5	12 1/4	STC	F2	3-18	2530	157	12	3	5	In
6	12 1/4	Reed	HP51A	3-12	2954	424	33.5	4	3	1/4
7	12 1/4	SEC	S33 (RR)	3-18	3202	248	22.5	6	6	1/4
8	12 1/4	HTC	J-22 (RR)	3-16	3257	55	10	3	7	1/8
9	12 1/4	SEC	S33	3-18 2-12	3300	43	5	3	4	In
10	8 3/4	Reed	HP51A	1-11	5256	1956	60.5	1	1	In
11	8 3/4	STC	F3H	3-11	6468	1212	66	5	1	In
12	8 3/4	HTC	ATJ44	3-11	8044	1576	96	6	8	In
13	8 3/4	STC	F4	3-11	8550	506	30	-	-	--

DEVIATION SURVEY

<u>DEPTH</u>	<u>DEVIATION</u>	<u>KIND</u>
221	1 ^o	W.L.
602	1 ^o	W.L.
970	1 1/2 ^o	Drop
1220	1 ^o	W.L.
1590	3/4 ^o	Drop
1857	1 ^o	Drop
2254	3/4 ^o	W.L.
2373	1 ^o	Drop
2530	3/4 ^o	Drop
2954	3/4 ^o	Drop
3202	1/2 ^o	Drop
3819	1/4 ^o	W.L.
4253	1/4 ^o	W.L.
4720	3/4 ^o	W.L.
5220	3/4 ^o	W.L.
5711	1 3/4 ^o	W.L.
6291	1 ^o	W.L.
6705	1 ^o	W.L.
7200	1/2 ^o	W.L.
7700	1 ^o	W.L.
8391	1/2 ^o	W.L.

NOTIFICATION AND INFORMATION REQUIREMENTS

Pennzoil Company
 #2-14A2 Cornaby
 Sec. 14, T1S, R2W
 Duchesne Co., Utah

LETTER

Pennzoil Company
 P.O.Box 2967
 Houston, TX
 77252-2967

ATTN: Greg Stevens

LARGE PACKAGES

Pennzoil Company
 700 Milam
 Houston, TX
 77002

ATTN: Greg Stevens

Pennzoil Company
 P.O. Box 2967 - 27th Floor
 Houston, Texas 77252-2967
 ATTN: Greg Stevens
 Office: (713) 546-8399

Pennzoil Company
 P.O. Box 290
 Neola, Utah 84053
 ATTN: Danny Layman

Utah Oil, Gas & Mining
 55 West North Temple
 Suite 350
 Salt Lake City, UT 84180

Flying J, Inc.
 P.O. Box 540180
 North Salt Lake City, UT 84054-0180
 ATTN: Carl F. Kendell
 (801) 298-7733

Coastal Oil & Gas Corp.
 P.O. Box 749
 Denver, CO 80201-0749
 ATTN: Bob Larocque
 (303) 573-4472

Total

Cutting of samples	Daily Mud Log & Final Mud Log	Reports - DST, Geological, Completion, Fluid Analysis, etc.	Notice prior to & results of DTS's, Cores, Logging, Plugging, etc.	Log Telecopies as needed	Electric Logs - Tape LIS Format	Electric Logs - Film Prints	Electric Logs - Final Prints	Electric Logs - Field Prints	Daily Drilling Reports - Mail	Daily Drilling Reports - Phone	State Permits, Reports, Survey, etc.	AFE & Well Prognosis
1	1&2	2	1	1	1	1	2	2	1	1	2	1
0	0&1	1	1	0	0	0	1	0	0	0	1	2
1	0&1	1	0	0	0	0	1	0	0	0	1	0
0	1&1 Weekly	1	1	1	0	0	1	1	0	1	1	1
0	1&1 Weekly	1	1	1	0	0	1	1	0	1	1	1
2	3&6	6	4	3	1	1	5	5	1	3	6	5

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
WORKOVER AND COMPLETION RECORD

OPERATOR: PENNZOIL EXPLORATION CO COMPANY REP: JESS DULLNIG

WELL NAME: CORNABY #2-14A2 API NO: 43-013-31299

SECTION: 14 TWP: 01S RANGE: 02W COUNTY: DUCHESNE

TYPE OF WELL: OIL: YES GAS: _____ WATER INJECTION: _____

STATUS PRIOR TO WORKOVER: POW

INSPECTOR: DENNIS L. INGRAM TIME: 2:25 PM DATE: 12/11/95

REASON FOR WORKOVER:

CHANGE OF LIFT SYSTEM: _____ PUMP CHANGE: Y PARTED RODS: _____

CASING OR LINER REPAIR: _____ ACIDIZE: _____ RECOMPLETION: _____

TUBING CHANGE: _____ WELLBORE CLEANOUT: _____ WELL DEEPEMED: _____

ENHANCED RECOVERY: _____ THIEF ZONE: _____ CHANGE ZONE: _____

ENVIRONMENTAL/DISPOSITION OF FLUIDS USED:

PIT: LINED _____ UNLINED _____ FRAC TANK _____ BOPE: Y H2S PRESENT: N

OPERATIONS AT THE TIME OF INSPECTION: TIH WITH RODS

REMARKS:

REPLACE DOWNHOLE ROD PUMP. HOT OIL TRUCK IS ON LEASE, RODS

ARE STILL IN DERRICK. FLUIDS TO TANK AND TRUCKED FROM LEASE.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JAN 8 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas well <input type="checkbox"/> Other	5. Lease Designation and Serial No. Fee Land
2. Name of Operator Pennzoil Company	6. If Indian, Allottee or Tribe Name Ute Tribal
3. Address and Telephone No. P.O. Drawer 10 Roosevelt, UT 84066 (601) 722-6222	7. If unit or CA, Agreement Designation CA NW498
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1157' FNL and 660' FEL of Section 14, T1S, R2W	8. Well Name and No. Cornaby 2-14A2
	9. API Well No. 43-013-31299-00
	10. Field and Pool, or Exploratory Area Bluebell-Wasatch
	11. County or Parish, State Duchesne, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Add Wasatch perfs</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Pennzoil plans to plug back to 13,360' and perforate/acidize additional Wasatch pay from 12,020' to 13,342' in two stages. Work should begin in the next 15-45 days.

14. I hereby certify that the foregoing is true and correct.

Signed Jess Dullnig Title Petroleum Engineer Date 5-Jan-96

(This space of Federal or State office use.)

Approved by [Signature] Title Petroleum Engineer Date 1/8/96

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas well Other

2. Name of Operator
Pennzoil Company

3. Address and Telephone No.
P.O. Drawer 10 Roosevelt, UT 84066 (801)722-6221

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1157' FNL and 660' FEL of Section 14, T1S, R2W

5. Lease Designation and Serial No.
Fee Land

6. If Indian, Allottee or Tribe Name
Ute Tribal

7. If unit or CA, Agreement Designation
CA NW498

8. Well Name and No.
Cornaby 2-14A2

9. API Well No.
43-013-31299-00

10. Field and Pool, or Exploratory Area
BLUEBELL-Wasatch

11. County or Parish, State
DUCHESNE , UTAH

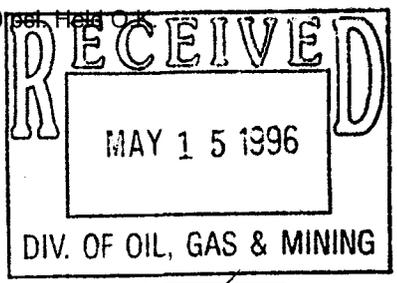
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Perf additional Wasatch and acidize</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

4/3-7/96: MI & RU pulling unit. POOH with rods, pump, 1.9" sidestring and 2 7/8" tbg.
 4/8/96: Perforated additional Wasatch intervals from 12,566'-13,342' with 3 1/8" HSC guns.
 4/9/96: Hydrotested 2 7/8" tbg. in hole to 9000 psi. Set packer @ 11,546'. Tested annulus to 1500 psi. Hold OK.
 4/11/96: Acidized Wasatch perfs from 12,566' to 13,608' with 20,000 gals. 15% HCL.
 4/12-13/95: Swab testing well.
 4/14-15/95: Return well to rod pumping system.
 4/17/95: RD & MO.



14. I hereby certify that the foregoing is true and correct

Signed Cory DeSantis Title Petroleum Engineer Date 5/10/96

(This space of Federal or State office use.)

Approved by [Signature] Title Petroleum Engineer Date 5/15/96

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas well Other

2. Name of Operator
Pennzoil Company

3. Address and Telephone No.
P.O. Drawer 10 Roosevelt, UT 84066 (801) 722-6222

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1157' FNL and 660' FEL of Section 14, T1S, R2W

5. Lease Designation and Serial No.
Fee Land

6. If Indian, Allottee or Tribe Name
Ute Tribal

7. If unit or CA, Agreement Designation
CA NW498

8. Well Name and No.
Cornaby 2-14A2

9. API Well No.
43-013-31299-00

10. Field and Pool, or Exploratory Area
Bluebell-Wasatch

11. County or Parish, State
Duchesne, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Add Wasatch perfs</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directly drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Pennzoil plans to perforate additional Wasatch pay from 10,900' to 12,542' and acidize same in two stages.

Afterwards, these new perfs will be commingled with the old perfs (12,566-13,608') for production.



14. I hereby certify that the foregoing is true and correct

Signed Jess Dullnig *Jess Dullnig* Title Petroleum Engineer Date 26-Mar-98

(This space of Federal or State office use.)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

Approved by _____ Date _____

Conditions of approval _____

DATE: 30-Mar-98

Title 18 U.S.C. Section 1011 makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas well Other

2. Name of Operator
Pennzoil Company

3. Address and Telephone No.
P.O. Drawer 10 Roosevelt, UT 84066 (801) 722-6222

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1157' FNL and 660' FEL of Section 14, T1S, R2W

5. Lease Designation and Serial No.
Fee Land

6. If Indian, Allottee or Tribe Name
Ute Tribal

7. If unit or CA, Agreement Designation
CA NW498

8. Well Name and No.
Cornaby 2-14A2

9. API Well No.
43-013-31299-00

10. Field and Pool, or Exploratory Area
Bluebell-Wasatch

11. County or Parish, State
Duchesne, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

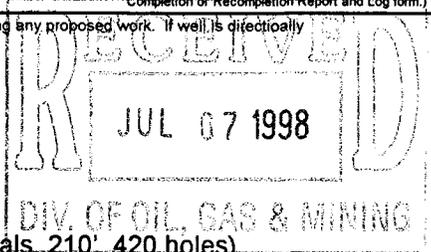
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Add Wasatch perfs</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Summary of completed operations:

- 04-06-98 Set 5" one-way CIBP at 12,555'.
- 04-07-98 Perforated new Upper Wasatch pay from 11,932' to 12,542' (41 intervals, 210', 420. holes)
- 04-09-98 Acidized 11,932-12,542' with 21,000 g 15% HCL. Good ball action.
- 04-13-98 Set 5" one-way CIBP at 11,910'.
- 04-14-98 Perforated new Upper Wasatch pay from 10,900' to 11,886' (68 intervals, 225', 450 holes).
- 04-17-98 Acidized 10,900-11,886' with 22,500 g 15% HCL. Poor diversion observed. Left well flowing.



*WTC
12-27-98
Pth*

14. I hereby certify that the foregoing is true and correct.
 Signed Jess Dullnig *Jess Dullnig* Title Petroleum Engineer Date 6-Jul-98

(This space of Federal or State office use.)

Approved by _____ Title _____ Date _____
 Conditions of approval, if any: _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED

FEB 17 2000

DIVISION OF
OIL, GAS AND MINING

FEB 16 2000

In Reply Refer To:
3106
U-0575A et al
(UT-932)

NOTICE

Devon Energy Production Company L.P.	:	Oil and Gas
20 North Broadway, Suite 1500	:	U-0575A et al
Oklahoma City, Oklahoma 73102-8260	:	

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Devon Energy Corporation (Nevada) and PennzEnergy Exploration and Production Company, L.L.C. into Devon Energy Production Company, L.P. with that company being the surviving entity.

The oil and gas lease files listed on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from your list of leases, and a list of leases obtained from our computer system. We have not attempted to identify leases where the entities are the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the merger by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

PennzEnergy Company assigned 100 percent of the record title interest, in the following leases on the list submitted by Devon Energy Production Company L.P., to Barrett Resources Corporation (Barrett) effective January 1, 2000.

U-0143511	U-4377	UTU-67943
U-0143512	U-4378	

Subsequently, Barrett assigned 100 percent of the record title interest to Coastal Oil & Gas Corporation effective February 1, 2000. A copy of this notice is being placed in these files to cover any overriding royalty interest that would be held by the surviving entity.

Lease U-0115614A is held 100 percent by Flying J Oil & Gas. PennzEnergy Company holds 100 percent of the record title interest in lease U-3575. No record title assignment assigning the interest to PennzEnergy Exploration and Production Company, L.L.C. has been filed in this office. A copy of this notice will be placed in the lease files to cover any overriding royalty interest that would be held by the surviving entity.

Leases U-61343, UTU-64532, UTU-66485 and UTU-75200 have expired and are closed on the records of this office.

An assumption rider for BLM Bond No. CO1104 has been filed in the Colorado State Office.

/s/ Robert Lopez

Robert Lopez
Chief, Branch of
Minerals Adjudication

Enclosure
Exhibit

cc: Vernal Field Office (w/encl.)
Moab Field Office (w/encl.)
MMS, Reference Data Branch, MS3130, P.O. Box 5860, Denver, CO 80217 (w/encl.)
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT (w/encl.)
Teresa Thompson (UT-931) (w/encl.)
Irene Anderson (UT-932) (w/encl.)
LaVerne Steah (UT-942) (w/encl.)

Exhibit of Leases

U-0575A
U-01188B
U-016654
U-0115614A
U-0115615
U-0126825
U-0141454

U-0141459
U-0143511
U-0143512
U-0144868A
U-3099
U-3575
UTU-74888

U-4377
U-4378
U-16131
U-31262
U-44426
UTU-67943

Communitization Agreements

U-58774
U-58799
U-58830
U-58834

U-58835
U-58839
U-58844
U-58854

U-60827
U-60831
U-68998



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3100
U-4377
UTU-66485
(UT-932)

MAR 26 1999

NOTICE

PennzEnergy Exploration and Production L.L.C. : Oil and Gas
P.O. Box 2967 :
Houston, TX 77252-2967 :

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Pennzoil Exploration and Production Company into PennzEnergy Exploration and Production L.L.C. with PennzEnergy Exploration and Production L.L.C. being the surviving entity.

For our purposes, the merger is recognized effective December 28, 1998, (Secretary of State's approval date).

Oil and gas lease files U-4377 and UTU-66485 have been noted as to the merger. The lease file numbers were obtained from a list of leases drawn from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from Pennzoil Exploration and Production Company to PennzEnergy Exploration and Production L.L.C. on Bond No. 8023 29 91 (BLM Bond No. NM0043). The principal/obligor is also automatically changed from Pennzoil Exploration and Production Company to PennzEnergy Exploration and Production L.L.C. on Bond No. 8134-90-99 (BLM Bond No. NM2142).

IRENE J. ANDERSON

Irene J. Anderson
Acting Group Leader,
Minerals Adjudication Group

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114-5801
Teresa Thompson (UT-931)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3100
U-0115615 et al
(UT-932)

MAR 26 1999

NOTICE

PennzEnergy Company
P.O. Box 2967
Houston, TX 77252-2967

Oil and Gas
:
:
:

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of PennzEnergy Company into Pennzoil Company with PennzEnergy Company being the surviving entity.

For our purposes, the merger is recognized effective December 30, 1998, (Secretary of State's approval date).

The oil and gas lease files and communitization agreement computer files identified on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from a list of leases obtained from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from Pennzoil Company to PennzEnergy Company on Bond No. 8134-90-99 (BLM Bond No. NM2142).

IRENE J. ANDERSON

Irene J. Anderson
Acting Group Leader,
Minerals Adjudication Group

Enclosure

Exhibit

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114-5801
Teresa Thompson (UT-931)

Devon Energy Production Company, L.P.

FILED

DEC 30 1999

Certificate of Merger

OKLAHOMA SECRETARY
OF STATE

TO: The Oklahoma Secretary of State
101 State Capitol
Oklahoma City, Oklahoma 73105

Devon Energy Production Company, L.P., a limited partnership organized under the laws of the State of Oklahoma, for the purpose of filing a Certificate of Merger pursuant to the provisions of 54 O.S. § 310.1, does hereby execute the following Certificate of Merger:

1. The name and jurisdiction of formation or organization of each of a domestic limited partnership, a foreign corporation and a foreign limited liability company which are to merge are:

<u>Name of Organization</u>	<u>Type of Organization</u>	<u>Jurisdiction of Formation</u>
Devon Energy Production Company, L.P.	Limited Partnership	Oklahoma
Devon Energy Corporation (Nevada)	Corporation	Nevada
PennzEnergy Exploration and Production Company, L.L.C.	Limited Liability Company	Delaware

2. An Agreement of Merger has been approved and executed by the limited partnership, the corporation and the limited liability company which are to merge.

3. The name of the surviving or resulting limited partnership is:

Devon Energy Production Company, L.P.

4. The merger shall be effective upon the filing of this Certificate of Merger with the Secretary of State of Oklahoma.

5. The Agreement of Merger is on file at the place of business of the surviving limited partnership at 1500 Mid-America Tower, 20 North Broadway, Oklahoma City, Oklahoma 73102.

6. A copy of the Agreement of Merger shall be furnished by the surviving or resulting limited partnership, upon request and without cost, to any partner of any limited partnership or any person holding an interest in any other business entity which is to merge.

RECEIVED

MAR 13 2000

DIVISION OF
OIL, GAS AND MINING

DATED as of the 30th day of December, 1999.

Devon Energy Management Company, L.L.C.
General Partner

By: *J. Larry Nichols*
J. Larry Nichols, Manager

RECEIVED

MAR 13 2000

DIVISION OF
OIL, GAS AND MINING

LD 635381-001

OFFICE OF THE SECRETARY OF STATE



CERTIFICATE OF MERGER

WHEREAS,

DEVON ENERGY PRODUCTION COMPANY, L.P.

a limited partnership organized under the laws of the State of OKLAHOMA, has filed in the office of the Secretary of State duly authenticated evidence of a merger whereby said limited partnership is the survivor, as provided by the laws of the State of Oklahoma.

NOW THEREFORE, I, the undersigned Secretary of State of Oklahoma, by virtue of the powers vested in me by law, do hereby issue this Certificate evidencing such merger.

IN TESTIMONY WHEREOF, I hereunto set my hand and cause to be affixed the Great Seal of the State of Oklahoma.

Filed in the City of Oklahoma City this 30TH
day of DECEMBER, 1999.



Mike Hunter
Secretary of State

By: *Brian Deane*

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: As per the attached spreadsheet.

LEASE NUMBER: _____

and hereby designates

NAME: Devon Energy Production Company, L.P.

ADDRESS: 20 North Broadway, Suite 1500, Oklahoma City, OK 73102-8260

as his agent /operator , with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable, and identify each applicable oil and gas well by name and API number. Attach additional pages as needed.)

See attached spreadsheet.

Note: Please use April 1, 2000 as the starting date for production reporting purposes.

RECEIVED

APR 20 2000

DIVISION OF
OIL, GAS AND MINING

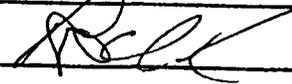
It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: January 1, 2000

BY: (Name) R. D. Clark

(Signature) 

(Title) Vice President

(Phone) 405-235-3611

OF: (Company) PennzEnergy Exploration and Production Company, L.L.C.

(Address) 20 North Broadway, Suite 1500

Oklahoma City, OK 73102-8260

RECEIVED

APR 20 2000

DEVON ENERGY PRODUCTION COMPANY, L.P.
UTAH PROPERTIES

DIVISION OF
OIL, GAS AND MINING

	<u>API NO.</u>	<u>WELL NAME & NO.</u>	<u>LOCATION</u>	<u>COUNTY</u>	<u>FIELD NAME</u>	<u>LEASE NO. / AGREEMENT NO.</u>
1	4301330005	CLYDE MURRAY 1-2A2	SESW-2-1S-2W	DUCHESNE	BLUEBELL	
2	4301330006	STATE 1-10A2	SWNE-10-1S-2W	DUCHESNE	BLUEBELL	
3	4301330009	VIRGIL MECHAM 1-11A2	W/2NE-11-1S-2W	DUCHESNE	BLUEBELL	96107
4	4301330011	VICTOR C BROWN 1-4A2	NESE-4-1S-2W	DUCHESNE	BLUEBELL	
5	4301330017	DOUG BROWN 1-4A2	SESW-4-1S-2W	DUCHESNE	BLUEBELL	
6	4301330030	CHASEL 1-18A1	NWNE-18-1S-1W	DUCHESNE	BLUEBELL	9628
7	4301330031	OLSEN 1-12A2	SWNE-12-1S-2W	DUCHESNE	BLUEBELL	UTU77363
8	4301330035	BOREN 1-14A2	NWSW-14-1S-2W	DUCHESNE	BLUEBELL	NW498
9	4301330042	UTE 2-12A3	NESW-12-1S-3W	DUCHESNE	BLUEBELL	1420H621576 Terminated 8-3-93
10	4301330086	L BOREN U 3-15A2	NESW-15-1S-2W	DUCHESNE	BLUEBELL	
11	4301330099	LAMICQ URRUTY U 3-17A2	NWSE-17-1S-2W	DUCHESNE	BLUEBELL	
12	4301330107	L BOREN U 5-22A2	SWNE-22-1S-2W	DUCHESNE	BLUEBELL	
13	4301330115	L BOREN U 4-23A2	SESW-23-1S-2W	DUCHESNE	BLUEBELL	
14	4301330119	VERL JOHNSON 1-27A2	SWNE-27-1S-2W	DUCHESNE	BLUEBELL	
15	4301330120	TOMLINSON FED 1-25A2	SESW-25-1S-2W	DUCHESNE	BLUEBELL	NW537
16	4301330123	L BOREN U 6-16A2	NWSE-16-1S-2W	DUCHESNE	BLUEBELL	
17	4301330125	UTE 3-18A2	NESW-18-1S-2W	DUCHESNE	BLUEBELL	1420H621750
18	4301330130	WOODWARD 1-21A2	SWNE-21-1S-2W	DUCHESNE	BLUEBELL	NW590
19	4301330133	LAMICQ 1-20A2	SWNE-20-1S-2W	DUCHESNE	BLUEBELL	
20	4301330136	UTE 1-6B3	NWNE-6-2S-3W	DUCHESNE	ALTAMONT	14204621778 / 9651
21	4301330142	SMITH UTE 1-18C5	NWNE-18-3S-5W	DUCHESNE	ALTAMONT	1420H622392
22	4301330143	MAUREL TAYLOR FEE 1-36A2	NESW-36-1S-2W	DUCHESNE	BLUEBELL	
23	4301330200	L ROBERTSON ST 1-1B2	NESW-1-2S-2W	DUCHESNE	BLUEBELL	
24	4301330212	LAMICQ UTE 1-5B2	NWSE-5-2S-2W	DUCHESNE	BLUEBELL	1420H621806 / 9683
25	4301330236	CAMPBELL UTE ST 1-7B1	SESW-7-2S-1W	DUCHESNE	BLUEBELL	1420H621970 / 9686
26	4301330245	SMITH ALBERT 1-8C5	SENE-8-3S-5W	DUCHESNE	ALTAMONT	
27	4301330294	FRESTON ST 1-8B1	NESW-8-2S-1W	DUCHESNE	BLUEBELL	

RECEIVED

APR 20 2000

DEVON ENERGY PRODUCTION COMPANY, L.P.DIVISION OF
OIL, GAS AND MINING**UTAH PROPERTIES**

	<u>API NO.</u>	<u>WELL NAME & NO.</u>	<u>LOCATION</u>	<u>COUNTY</u>	<u>FIELD NAME</u>	<u>LEASE NO. / AGREEMENT NO.</u>
28	4301330297	GEORGE MURRAY 1-16B1	SENW-16-2S-1W	DUCHESNE	BLUEBELL	
29	4301330307	UTE ALLOTTED 1-36Z2	NWSE-36-1N-2W	DUCHESNE	BLUEBELL	1420H621676 / 9C124
30	4301330347	LAMICQ URRUTY U 4-5A2	SENW-5-1S-2W	DUCHESNE	BLUEBELL	
31	4301330359	H G COLTHARP 1-15B1	SENW-15-2S-1W	DUCHESNE	BLUEBELL	
32	4301330369	STATE 3-18A1	NESW-18-1S-1W	DUCHESNE	BLUEBELL	9C142
33	4301330564	D L GALLOWAY 1-14B2	SWNE-14-2S-2W	DUCHESNE	BLUEBELL	
34	4301330807	MARGUERITE 2-8B2	SENW-8-2S-2W	DUCHESNE	BLUEBELL	96102
35	4301330809	LAMICQ 2-6B1	NWSE-6-2S-1W	DUCHESNE	BLUEBELL	
36	4301330821	DILLMAN 2-28A2	SWNE-28-1S-2W	DUCHESNE	BLUEBELL	
37	4301330903	HAMBLIN 2-26A2	SWNE-26-1S-2W	DUCHESNE	BLUEBELL	
38	4301330912	RACHEL JENSEN 2-16C5	NENW-16-3S-5W	DUCHESNE	ALTAMONT	
39	4301330921	ROBERTSON UTE 2-2B2	NENE-2-2S-2W	DUCHESNE	BLUEBELL	9682
40	4301330975	JOHN 2-3B2	NWNE-3-2S-2W	DUCHESNE	BLUEBELL	
41	4301330995	LAMICQ ROBERTSON STATE 2-1B2	SWNE-1-2S-2W	DUCHESNE	BLUEBELL	
42	4301331009	UTE 2-7A2	CNE-7-1S-2W	DUCHESNE	BLUEBELL	1420462811
43	4301331147	HATCH 2-3B1	SENW-3-2S-1W	DUCHESNE	BLUEBELL	
44	4301331151	NORLING 2-9B1	SWSW-9-2S-1W	DUCHESNE	BLUEBELL	
45	4301331184	SHAW 2-27A2	SESW-27-1S-2W	DUCHESNE	BLUEBELL	
46	4301331190	LAMICQ URRUTY 4-17A2	SENW-17-1S-2W	DUCHESNE	BLUEBELL	
47	4301331191	LAMICQ 2-20A2	SESE-20-1S-2W	DUCHESNE	BLUEBELL	
48	4301331192	BOREN 3-11A2	SWSW-11-1S-2W	DUCHESNE	BLUEBELL	96107
49	4301331203	FRESTON 2-8B1	SWNE-8-2S-1W	DUCHESNE	BLUEBELL	
50	4301331215	WISSE 3-35A2	SWSW-35-1S-2W	DUCHESNE	BLUEBELL	
51	4301331231	MECCA 2-8A2	SESE-8-1S-2W	DUCHESNE	BLUEBELL	
52	4301331232	MARK 2-25A2	NWNE-25-1S-2W	DUCHESNE	BLUEBELL	NW537
53	4301331233	DUNCAN 4-12A2	SWNW-12-1S-2W	DUCHESNE	BLUEBELL	UTU77363
54	4301331235	SWYKES 2-21A2	NWNW-21-1S-2W	DUCHESNE	BLUEBELL	NW590

RECEIVED

APR 20 2000

DEVON ENERGY PRODUCTION COMPANY, L.P.

DIVISION OF
OIL, GAS AND MINING

UTAH PROPERTIES

	<u>API NO.</u>	<u>WELL NAME & NO.</u>	<u>LOCATION</u>	<u>COUNTY</u>	<u>FIELD NAME</u>	<u>LEASE NO. / AGREEMENT NO.</u>
55	4301331238	SHERMAN 2-12B2	SWSE-12-2S-2W	DUCHESNE	BLUEBELL	9690
56	4301331245	MILES 7-7B3	SWNW-7-2S-3W	DUCHESNE	ALTAMONT	9675
57	4301331276	DUNCAN 4-2A2	NESE-2-1S-2W	DUCHESNE	BLUEBELL	
58	4301331278	HAMBLIN 3-9A2	SENE-9-1S-2W	DUCHESNE	BLUEBELL	
59	4301331285	DUNCAN 3-7A1	NWNW-7-1S-1W	DUCHESNE	BLUEBELL	
60	4301331286	BAR F 2-5B1	SWSE-5-2S-1W	DUCHESNE	BLUEBELL	
61	4301331299	CORNABY 2-14A2	NENE-14-1S-2W	DUCHESNE	BLUEBELL	NW498
62	4301331317	MITCHELL 2-4B1	SESW-4-2S-1W	DUCHESNE	BLUEBELL	9662
63	4301331321	SMITH 2-9C5	SWSW-9-3S-5W	DUCHESNE	ALTAMONT	
64	4301331322	LORANGER 2-24A2	N/2NE-24-1S-2W	DUCHESNE	BLUEBELL	
65	4301331325	UTE 2-6B3	SWSW-6-2S-3W	DUCHESNE	ALTAMONT	1420H621858 / 9651
66	4301331326	MCCELPRANG 2-30A1	SWSW-30-1S-1W	DUCHESNE	BLUEBELL	NW625
67	4301331327	SMITH 2-7C5	NESW-7-3S-5W	DUCHESNE	ALTAMONT	1420H622389
68	4301331328	SMITH 2-18C5	SWSE-18-3S-5W	DUCHESNE	ALTAMONT	1420H622392
69	4301331329	UTE 2-24A3	SWNW-24-1S-3W	DUCHESNE	BLUEBELL	1420H621761
70	4301331330	UTE 5-19A2	NWNW-19-1S-2W	DUCHESNE	BLUEBELL	1420H621751
71	4301331332	EDWARDS 3-10B1	SWSW-10-2S-1W	DUCHESNE	BLUEBELL	
72	4301331333	SUNDANCE 4-15A2	SWNE-15-1S-2W	DUCHESNE	BLUEBELL	
73	4301331334	LORANGER 6-22A2	SWSW-22-1S-2W	DUCHESNE	BLUEBELL	
74	4301331335	COX 2-36A2	NWNW-36-1S-2W	DUCHESNE	BLUEBELL	
75	4301331338	SMITH 2-6C5	SESW-6-3S-5W	DUCHESNE	ALTAMONT	1420H622388 / UTU70553
76	4301331341	FRESTON 2-7B1	SENE-7-2S-1W	DUCHESNE	BLUEBELL	1420H621970 / 9686
77	4301331356	PEARSON 2-11B2	SENE-11-2S-2W	DUCHESNE	BLUEBELL	
78	4301331378	CHAPMAN 2-4B2	SWNW-4-2S-2W	DUCHESNE	BLUEBELL	
79	4301331390	LAMB 2-16A2	NENE-16-1S-2W	DUCHESNE	BLUEBELL	
80	4301331393	LABRUM 2-23A2	SWSW-23-1S-2W	DUCHESNE	BLUEBELL	
81	4301331820	POWELL 2-16B1	NENE-16-2S-1W	DUCHESNE	BLUEBELL	

DEVON ENERGY PRODUCTION COMPANY, L.P.
UTAH PROPERTIES

	<u>API NO.</u>	<u>WELL NAME & NO.</u>	<u>LOCATION</u>	<u>COUNTY</u>	<u>FIELD NAME</u>	<u>LEASE NO. / AGREEMENT NO.</u>
82	4304730164	ROBERTSON UTE ST 1-12B1	SWNE-12-2S-1W	UNITAH	BLUEBELL	96101
83	4304730176	MAY UTE FEDERAL 1-13B1	NWSE-13-2S-1W	UNITAH	BLUEBELL	NW673
84	4304731981	COOK 1-26B1	SWSW-26-2S-1W	UNITAH	BLUEBELL	UTU68998
85	4304732178	CHRISTIENSEN 2-12B1	SWSE-12-2S-1W	UNITAH	BLUEBELL	96101
86	4304732351	BALLARD 2-15B1	SENE-15-2S-1W	UNITAH	BLUEBELL	
87	4304732744	RICH 2-13B1	NWNW-13-2S-1W	UNITAH	BLUEBELL	NW673
88	4301320255	SWD 4-11A2	NWNW-11-1S-2W	DUCHESNE	BLUEBELL	96107
89	4301330021	SWD 1-3A2	SESE-3-1S-2W	DUCHESNE	BLUEBELL	
90	4301330346	SWD 2-28A2	NWSE-28-1S-2W	DUCHESNE	BLUEBELL	
91	4301330367	SWD 2-10B1	NWNW-10-2S-1W	DUCHESNE	BLUEBELL	
92	4301330389	SWD 2-26A2	NESW-26-1S-2W	DUCHESNE	BLUEBELL	
93	4301330388	SWD 2-17C5	SENE-17-3S-5W	DUCHESNE	BLUEBELL	

RECEIVED

APR 20 2000

DIVISION OF
OIL, GAS AND MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS
2. CDW	✓	5- SW ✓
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X Merger

The operator of the well(s) listed below has changed, effective: **04-1-2000**

FROM: (Old Operator):
PENNZOIL COMPANY
Address: P. O. BOX 290
NEOLA, UT 84053
Phone: 1-(435)-353-4121
Account No. N0705

TO: (New Operator):
DEVON ENERGY EXPL & PROD CO LP
Address: 20 NORTH BROADWAY STE 1500
OKLAHOMA CITY, OK 73102-8260
Phone: 1-(405)-235-3611
Account N1275

CA No.

Unit:

WELL(S)

NAME	CA No.	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
CHASEL 1-18A1	CA (9628)	43-013-30030	5805	18-01S-01W	FEE	OW	P
STATE 3-18A1	CA (9C142)	43-013-30369	5810	18-01S-01W	FEE	OW	P
MCELPRANG 2-30A1	CA (NW625)	43-013-31326	11252	30-01S-01W	FEE	OW	P
VIRGIL MECHAM 1-11A2	CA (96107)	43-013-30009	5760	11-01S-02W	FEE	GW	P
BOREN 3-11A2	CA (96107)	43-013-31192	5472	11-01S-02W	FEE	OW	P
OLSEN 1-12A2	CA (UTU77363)	43-013-30031	5880	12-01S-02W	FEE	OW	S
BOREN 1-14A2	CA (NW498)	43-013-30035	5885	14-01S-02W	FEE	OW	P
CORNBY 2-14A2	CA (NW498)	43-013-31299	11228	14-01S-02W	FEE	OW	P
MITCHELL 2-4B1	CA (9662)	43-013-31317	11231	04-02S-01W	FEE	OW	P
ROBERTSON UTE 2-2B2	CA (9682)	43-013-30921	5472	02-02S-02W	FEE	OW	P
MARGUERITE 2-8B2	CA (96102)	43-013-30807	2303	08-02S-02W	FEE	OW	S
SHERMAN 2-12B2	CA (9690)	43-013-31238	11009	12-02S-02W	FEE	OW	P
MILES 7-7B3	CA (9675)	43-013-31245	11025	07-02S-03W	FEE	OW	S
CHRISTIENSEN 2-12B1	CA (96101)	43-047-32178	11350	12-02S-01W	FEE	OW	P
ROBERTSON UTE ST 1-12B1	CA (96101)	43-047-30164	5475	12-02S-01W	FEE	OW	S
MAY UTE FEDERAL 1-3B1	CA (9675)	43-047-30176	5435	13-02S-01W	FEE	OW	P
RICH 2-13B1	CA (9675)	43-047-32744	12046	13-02S-01W	FEE	OW	P

OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 04/20/2000
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 04/20/2000
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 10/12/2000

4. Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143
5. If **NO**, the operator was contacted contacted on: _____
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 02/16/2000
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC") Proj:** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 11/22/2000
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 11/22/2000
3. Bond information entered in RBDMS on: 11/22/2000
4. Fee wells attached to bond in RBDMS on: 11/22/2000

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: 71S100753026-70
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 11/26/2000

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 2-26-01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS:

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: CORNABY 2-14A2
2. NAME OF OPERATOR: DEVON ENERGY PROD CO LP	9. API NUMBER: 43013312990000
3. ADDRESS OF OPERATOR: P.O. Box 290 8345 North 5125 West, Neola, UT, 84053	PHONE NUMBER: 405 552-7883 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1157 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 14 Township: 01.0S Range: 02.0W Meridian: U	9. FIELD and POOL or WILDCAT: BLUEBELL COUNTY: DUCHESNE STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/13/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Devon intends on drilling out one-way plugs @ 11,910' & 12,555'; cleanout to 13,438'. Acidize and return to production from existing perforations 10900 - 13406'.

Approved by the Utah Division of Oil, Gas and Mining

Date: 04/13/2011

By: *Dark K. Quist*

NAME (PLEASE PRINT) Deanna Bell	PHONE NUMBER 435 353-5780	TITLE Senior Field Technician
SIGNATURE N/A	DATE 4/13/2011	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: CORNABY 2-14A2
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3. ADDRESS OF OPERATOR: P.O. Box 290 8345 North 5125 West, Neola, UT, 84053	PHONE NUMBER: 405 552-7883 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1157 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 14 Township: 01.0S Range: 02.0W Meridian: U	9. FIELD and POOL or WILDCAT: BLUEBELL COUNTY: DUCHESNE STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/16/2011	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Objective is to clean out well and acidize existing perforations. An additional interval will be perforated, acidized and tested in the Lower Green River @ 9,664 - 10,854'. Comingle and return to production. Attachment: well history and procedure.

Approved by the Utah Division of Oil, Gas and Mining

Date: 05/23/2011

By: *Dark K. Quist*

NAME (PLEASE PRINT) Deanna Bell	PHONE NUMBER 435 353-5780	TITLE Senior Field Technician
SIGNATURE N/A	DATE 5/13/2011	

CORNABY 2-14A2, RECOMPLETION

**DEVON ENERGY PRODUCTION COMPANY
WORKOVER PROCEDURE
CORNABY 2-14A2
SECTION 14, T1S, R2W
BLUEBELL/ALTAMONT FIELD
DUCHESNE COUNTY, UTAH**

OBJECTIVE:

Clean out and acidize existing perforations and perforate additional intervals in The Lower Green River. Comingle and put well back on pump. Change out pumping unit with a Rotoflex 1100.

JUSTIFICATION:

The Cornaby 2-14A2 was originally completed in the Wasatch in 1994 with perforations from 12905' to 13608'. Additional perforations were added in 1996 and 1998 in the Wasatch to 10900'. The well is currently producing at ~25 BOPD and ~80 MCFD but has good potential for increased production in the Lower Green River.

This re-completion will clean out the well and the existing intervals will be acidized. An additional interval will be perforated from 9664'-10854', acidized and tested. The well will be comingled and put back on production.

WELL DATA

API No. 43-013-31299

TD: 8550' then deepened to 13680'

Casing:

9-5/8", 36#, K-55 & S-80 @ 3300' w/ 690 sxs (did not circulate cmt)
7", 23#, N-80 & S-95 @ 8550' w/ 1465 sxs in 1 stage (did not circulate cmt)
5", 18#, P-110 @ 8347' to 13,680' w/ 670 sxs (did not circulate cmt)

CORNABY 2-14A2, RECOMPLETION

Perforations: 10900-13342'
Oneway plugs at 12555 & 11910'.

Other: Originally drilled as UGR gas well.
Perfs 6443-6686' squeezed

WELL HISTORY

07-10-91 Perf 6443-6686 (40 intervals, 40', 40 holes).
 07-11-91 Acidized 6640-6686 with 2500 g 15% HCL.
 07-12-91 Acidized 6443-6479 with 4000 g 15% HCL.
 07-12-91 Acidized 6443-6686 with 4100 g 15% HCL.
 08-05-91 Set 7" CIBP at 6510' to exclude perfs 6526-6686, perfs 6443-6479 open.
 03-30-93 Treated perfs 6443-6479 with chemical squeeze to remove suspected damage caused by asphaltic oil. Job did not improve production.
 10-07-93 Squeezed 6443-6479 with 100 sxs.
 10-10-93 Re-squeezed 6443-6479 with 100 sxs.
 10-11-93 Drilled out cmt across perfs 6443-6479, tested to 3000 psi, held OK.
 10-12-93 Drilled out CIBP at 6510'
 10-13-93 Squeezed 6526-6686 with 150 sxs.
 10-14-93 Drilled out cmt across perfs 6526-6686, tested to 3000 psi, lost 700 psi in 15 minutes (test considered acceptable).
 11-30-93 Finished deepening well to 13,680'.
 12-05-93 Cleaned out 5" liner down to 13,643'.
 03-30-94 Set 5" Mountain States Arrow Drill packer at 8820'.
 04-04-94 Perf 12,905-13,608 (36 intervals, 115', 230 holes).
 04-05-94 Acidized 12,905-13,608 with 15,000 g 15% HCL.
 05-17-94 Milled out 5" Mountain States packer at 8820'.

CORNABY 2-14A2, RECOMPLETION

- 05-18-94 Tagged bottom with slickline at 13,690'.
- 05-20-94 Finished installing rod pumping equipment.
- 04-08-96 Perforated additional Wasatch intervals from 12,566'-13,342' (25 intervals, 111', 222 holes)
- 04-09-96 Tested csg annulus from 11,546' to 1500 psi. Held OK.
- 04-11-96 Acidized Wasatch perms from 12,566' to 13,608' w/ 20,000 gal. 15% HCL.
- 04-15-96 Returned well to rod pumping system.
- 04-06-98 Set 5" one-way CIBP at 12,555'. Tested casing to 1500 psi for 10 minutes, lost 150 psi.
- 04-07-98 Perforated new Upper Wasatch pay from 11,932' to 12,542' (41 intervals, 210', 420 holes).
- 04-09-98 Acidized 11,932-12,542' with 21,000 g 15% HCL. Good ball action.
- 04-13-98 Ran GR log across perms 11,932-12,542'. Found good coverage of acid across perms.
- 04-13-98 Set 5" one-way CIBP at 11,910'. Tested casing to 1500 psi for 10 minutes, held OK.
- 04-14-98 Perforated new Upper Wasatch pay from 10,900' to 11,886' (68 intervals, 225', 450 holes). Set 5" Arrow Pak pkr at 10,705'.
- 04-17-98 Acidized 10,900-11,886' with 22,500 g 15% HCL. Poor diversion observed.
- 04-20-98 GR log found 50-60% of perms treated with acid. Production log indicated the following:
- | | |
|---------------|---|
| 10,968-10,976 | Major gas with possible intermittent oil |
| 11,174-11,195 | Probable water |
| 11,703-11,710 | Major oil (100% of total oil produced) |
- No movement through one-way CIBP at 11,910'. Surface rate: 312 BOPD with 5 BWPD.
- 11-03-98 Ran rods and put back on pump.

CORNABY 2-14A2, RECOMPLETION

2-28-08 Pumping unit failed. Replaced with Lufkin Reverse Mark 912-427-192

PROCEDURE:

1. RDMO pumping unit.
2. MIRU workover rig with pump and tank. Test the dead men prior to moving in and rigging up.
3. POOH with rods & pump, 1.9" tubing side string, 2-7/8" production tubing.
4. TIH with a bit and scraper and clean out to 13350'. Attempt to circulate fluid to surface. POOH.
5. TIH with 2-7/8" tubing and a 5" treating packer and set at 10358'. Acidize well with 10,000 gal of 15% HCl with standard additives and bio-ball sealers for diversion.
6. Swab test to determine rate, cut and fluid level. Swab until the pH is five or greater.
7. Run production equipment and change out PU to a new Rotoflex 1100, Pump test well.
8. RDMO pumping unit.
9. POOH with rods & pump, 1.9" tubing side string, 2-7/8" production tubing.
10. RU Electric Line and TIH with a 5" RBP and set at ~10875', dump 1 sk of sand on top. Load casing and pressure test casing to 1,000 psi.
11. Rig up wireline with a full lubricator and grease for pressure control. Perforate LGR 9664'-10854' overall as per perforation detail. RDMO wireline.
12. TIH with 2-7/8" tubing and a 5" treating packer and set at ~9500'.
13. Swab test the interval prior to acidizing to determine the rate, oil cut and fluid level. Catch an oil sample for compatibility testing with the acid.
14. Acidize the interval with 10,000 gals of 15% HCl with standard additives and 800 bio-ball sealers for diversion.

CORNABY 2-14A2, RECOMPLETION

15. Swab test to determine rate, cut and fluid level. Swab until the pH is five or greater.
16. Release packer and POOH. TIH and recover RBP
17. Run production equipment and put well on pump.

STAGE 1 PROPOSED
Lower Green River

Perfs picked on Dual Phase Induction Log dated 11/24/93

No.	Perforated Interval	Feet	SPF	Holes	CBL Depth	Comments
1	9664	9674	10	2	20	5" Liner
2	9690	9700	10	2	20	5" Liner
3	9796	9806	10	2	20	5" Liner
4	9810	9820	10	2	20	5" Liner
5	9834	9844	10	2	20	5" Liner
6	9862	9872	10	2	20	5" Liner
7	9908	9918	10	2	20	5" Liner
8	9924	9928	4	2	8	5" Liner
9	9938	9942	4	2	8	5" Liner
10	9991	9995	4	2	8	5" Liner
11	10007	10011	4	2	8	5" Liner
12	10018	10024	6	2	12	5" Liner
13	10046	10050	4	2	8	5" Liner
14	10084	10088	4	2	8	5" Liner
15	10100	10104	4	2	8	5" Liner
16	10120	10124	4	2	8	5" Liner
17	10132	10138	6	2	12	5" Liner
18	10169	10173	4	2	8	5" Liner
19	10200	10210	10	2	20	5" Liner
20	10222	10232	10	2	20	5" Liner
21	10246	10252	6	2	12	5" Liner
22	10266	10270	4	2	8	5" Liner
23	10288	10298	10	2	20	5" Liner
24	10312	10316	4	2	8	5" Liner
25	10318	10322	4	2	8	5" Liner
26	10338	10344	6	2	12	5" Liner
27	10366	10372	6	2	12	5" Liner
28	10384	10388	4	2	8	5" Liner
29	10400	10404	4	2	8	5" Liner
30	10444	10448	4	2	8	5" Liner
31	10468	10476	8	2	16	5" Liner
32	10510	10520	10	2	20	5" Liner
33	10526	10532	6	2	12	5" Liner
34	10536	10540	4	2	8	5" Liner
35	10546	10556	10	2	20	5" Liner
36	10580	10586	6	2	12	5" Liner
37	10608	10612	4	2	8	5" Liner
38	10620	10640	20	2	40	5" Liner
39	10658	10662	4	2	8	5" Liner
40	10704	10706	2	2	4	5" Liner
41	10722	10724	2	2	4	5" Liner
42	10728	10730	2	2	4	5" Liner
43	10806	10808	2	2	4	5" Liner
44	10814	10818	4	2	8	5" Liner

45	10830	10834	4	2	8	5" Liner
46	10840	10842	2	2	4	5" Liner
47	10850	10854	4	3	12	5" Liner

Number of Intervals	47
Net Feet of Perforations	284
Number of Holes	572

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
		7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: CORNABY 2-14A2		
2. NAME OF OPERATOR: DEVON ENERGY PROD CO LP	9. API NUMBER: 43013312990000		
3. ADDRESS OF OPERATOR: P.O. Box 290 8345 North 5125 West, Neola, UT, 84053	PHONE NUMBER: 405 552-7883 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1157 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 14 Township: 01.0S Range: 02.0W Meridian: U	COUNTY: DUCHESNE		
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/18/2011 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
Subsequent report for Notice of Intent dated 4/13/11 and approved 4/13/11. Drill out one-way plug @ 11,910'. Push one-way plug @ 12,555' to 13,438'. Tag fill. Set 5" pkr @ 10,358', tested to 1000 psi. Swab test. Acidize w/ 10,000 gals 15% HCL acid & 1000 7/8" OD bioballs. Swab test. Release and LD pkr @ 10,358'. Return to production from Wasatch perforations 10,900' to 13,438'. Attachment: well chronology 033011 to 041811.			
NAME (PLEASE PRINT) Deanna Bell		PHONE NUMBER 435 353-5780	TITLE Senior Field Technician
SIGNATURE N/A		DATE 5/20/2011	

BBA CORNABY 2-14A2
OH - Property #: 063077-002

WEST UNRESTRICTED


Well Chronology

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Project Group UINTA	State/Province UT			
Surface Legal Location 14-1-S 2-W-6	API/UWI 4301331299	Latitude (DMS) 40° 23' 59.25" N	Longitude (DMS) 110° 4' 10.59" E	Ground Elev ... 5,684.00	KB - GL (ft) 22.00	Orig KB Elev (ft) 5,706.00	TH Elev (ft) 5,684.00
Job Category WORKOVER-AFE	Primary Job Type RESTORE PROD-ROD PUMP		Secondary Job Type TUBING REPAIR				
Job Start Date 3/30/2011 14:00	Job End Date 4/18/2011 06:00	AFE Number			Total AFE + Sup Amount		
Contractor, Rig Name STONE WELL SERVICE		Rig Number 7	Rig Type				
Job Phase	Act Dur (days)	PI Cum Days ML (days)	Actual Phase Cost	Planned Likely Phase Cost	Cost Var ML		

Report # 1							
Report Start Date 3/30/2011 14:00	Report End Date 3/31/2011 06:00	Daily Cost 4,045	Cum Cost To Date 4,045	Depth End (ftKB) 0.0			
Time Log Summary 2:00PM ROAD RIG TO LOC. RIG UP. PUMP 100 BBLS DWN CSG & 70 BBLS DWN 2 7/8" TBG UP SIDE STRG DWN FLOW LINE W/ HOT OILER. PULL 8K OVER STRG WT PART RODS. L/D POLISH ROD & PONIES. TOOH W/ 130 SLK 1" RODS, 125 SLK 7/8" RODS, & 72 SLK 3/4" RODS. P/U POLISH ROD 8:30PM SDFN 1/2 HR CREW TRAVEL							

(THURS. TOOH W/ RODS PULL TBG) - 24

Report # 2							
Report Start Date 3/31/2011 06:00	Report End Date 4/1/2011 06:00	Daily Cost 7,235	Cum Cost To Date 11,280	Depth End (ftKB) 0.0			
Time Log Summary 1/2 HR CREW TRAVEL - SM W/ HOT OILER PUMP 80 BBLS DWN CSG W/ HOT OILER -TOOH W/ 20 SLK 3/4" RODS, 57 WG 3/4" RODS, 3' STAB SUB, & TOP OF PULL ROD. N/D WELLHEAD. UNSTING SIDE STRG. L/D SUBS & 1 JT OF 1.90 TBG. LAND HANGER. N/U WELLHEAD. FLUSH 2 7/8" TBG W/ 40 BBLS. FLUSH SIDE STRG W/ 20 BBLS. N/D WELLHEAD. N/U BOP. R/U FLOOR. L/D SIDE STRG HANGER & X-O. TOOH W/ 185 JTS OF 1.90 TBG, & STINGER. R/D FLOOR. N/D BOP. L/D HANGER. RELEASE TAC. N/U BOP. R/U FLOOR. TOOH W/ 192 JTS 2 7/8" 8RD TBG, 7" CIRC SHOE, 48 JTS 8RD TBG, X-O, 86 JTS NULOC TBG, X-O, PSN, X-O, 10' PERF 2 7/8" PUP JT, 1 JT 2 7/8" NULOC TBG, X-O, 5" TAC, X-O, & BULL PLUG -8:30PM SDFN 1/2 HR CREW TRAVEL							

(FRIDAY. TIH W/ 161 JTS OF 2 7/8" TBG, FLUSH TBG, TOOH. HYDROTEST IN W/ 4 1/8" BIT & 2 7/8" TBG) - 24

Report # 3							
Report Start Date 4/1/2011 06:00	Report End Date 4/2/2011 06:00	Daily Cost 6,985	Cum Cost To Date 18,265	Depth End (ftKB) 0.0			
Time Log Summary 1/2 HR CREW TRAVEL - SM ON TRIPPING TBG - 0 PSI ON WELL. TIH W/ 195 JTS OF 2 7/8" TBG. FLUSH TBG W/ 60 BBLS. TOOH W/ 127 JTS OF 2 7/8" TBG. FLUSH TBG W/ 30 BBLS. TOOH W/ 68 JTS OF 2 7/8" TBG. R/U HYDROTESTER. HYDROTEST IN HOLE W/ 4 1/8" BIT, BIT SUB, X-O, & 87 JTS OF 2 7/8" NULOC TBG. P/U 73 JTS OF 2 7/8" NULOC TBG OFF PIPE RACKS. TIH W/ 104 JTS OF 2 7/8" 8RD TBG. EOT @ 8186. FOUND 8RD COLLAR LEAK JT #210 REPACE COLLAR -7:30PM SDFN 1/2 HR CREW TRAVEL							

(SAT. HYDROTEST TBG. TIH TAG PLUG) - 24


BBA CORNABY 2-14A2
OH - Property #: 063077-002
WEST UNRESTRICTED**Well Chronology**

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Project Group UINTA	State/Province UT
Surface Legal Location 14-1-S 2-W-6	API/UWI 4301331299	Latitude (DMS) 40° 23' 59.25" N	Longitude (DMS) 110° 4' 10.59" E	Ground Elev ... 5,684.00
			KB - GL (ft) 22.00	Orig KB Elev (ft) 5,706.00
				TH Elev (ft) 5,684.00

Report # 4				
Report Start Date 4/2/2011 06:00	Report End Date 4/3/2011 06:00	Daily Cost 6,235	Cum Cost To Date 24,500	Depth End (ftKB) 0.0

Time Log Summary

1/2 HR CREW TRAVEL - SM ON HYDROTEST TBG

- 0 PSI ON WELL. HYDROTEST IN W/ 120 JTS OF 2 7/8" 8RD TBG. TAG @ 11923'. R/D HYDROTESTER.

(TEST 384 JTS OF 2 7/8" TBG @ 9000 PSI)

POOH ABOVE LINER W/ 116 JTS OF 2 7/8" 8RD TBG

EOT @ 8305.

-11:00AM SDFN 1/2 HR CREW TRAVEL

(MON. ATTEMPT TO FILL HOLE & CIRC) - 24

Report # 5				
Report Start Date 4/4/2011 06:00	Report End Date 4/5/2011 06:00	Daily Cost 9,285	Cum Cost To Date 33,785	Depth End (ftKB) 0.0

Time Log Summary

1/2 HR CREW TRAVEL - SM ON RIG UP PUMP

- 0 PSI ON WELL . R/U PUMP LINES & WASHINGTON HEAD. PUMP 320 BBLS @ 6 BBLS MIN TO FILL CSG.

TIH W/ 116 JTS OF 2 7/8" 8RD TBG TO CIBP. PICK UP PUP JT & POWER SWIVEL. CIRC @ 3.5 BBLS MIN 600 PSI W/ 23 BBLS HR LOSS. DRILL ON PLUG FOR 4 HRS. LOST RETURNS. PUMP 100 BBLS @ 6 BBLS MIN TO CATCH CIRC. CIRC @ 5 BBLS MIN 600 PSI W/ 3 BBLS MIN LOSS. DRILL OUT PLUG. CIRC TBG CLEAN. L/D PUP JT. R/D POWER SWIVEL. PULL 2 JTS OF TBG.

EOT @ 11857'

-8:30PM SDFN 1/2 HR CREW TRAVEL

(TUES. TOOH L/D BIT P/U SHOE & JUNK BASKET TIH) - 24

Report # 6				
Report Start Date 4/5/2011 06:00	Report End Date 4/6/2011 06:00	Daily Cost 8,610	Cum Cost To Date 42,395	Depth End (ftKB) 0.0

Time Log Summary

1/2 HR CREW TRAVEL - SAFETY MEETING ON PINCH POINTS

-WELL ON VAC. TOOH W/ 222 JTS OF 2 7/8" 8RD TBG, X-O, 160 JTS OF 2 7/8" NU-LOC TBG, X-O, BIT SUB, &

4 1/8" BIT. L/D BIT & BIT SUB. M/U FISHING BHA.

TIH W/ 4 1/16" SHOE, 4' PUP JT 3 3/4", TOP SUB, PIN X PIN, 2 JUNK BASKETS, BUMPER SUB, SUPER JAR, X-O 2 3/8" REG X 2 7/8" 8RD, 6' PUP JT 2 7/8" 8RD, X-O 8RD X N-L, 160 JTS 2 7/8" NU-LOC TBG, X-O N-L X 8RD, 106 JTS 2 7/8" 8RD TBG. EOT @ 8278.

-3:00PM SDFN 1/2 HR CREW TRAVEL.

(WED. TIH WASH OVER PLUG #2. FIND PBTD)

- 24

Report # 7				
Report Start Date 4/6/2011 06:00	Report End Date 4/7/2011 06:00	Daily Cost 25,637	Cum Cost To Date 68,032	Depth End (ftKB) 0.0

Time Log Summary

1/2 HR CREW TRAVEL - SM ON TIH

-WELL ON VAC. TIH W/ 138 JTS OF 2 7/8" 8RD TBG.

R/U SWIVEL. PUMP DWN TBG @ 1 1/2 BBLS MIN.

ROTATE TBG @ 60 RPM. TAG FILL @ 12555. WASH DWN & TAG PLUG @ 12772. DRILL ON PLUG F/ 12572 TO 12573. R/D SWIVEL. L/D 2 JTS 2 7/8" TBG.

TOOH W/ 242 JTS OF 2 7/8" 8RD TBG, X-O, & 88 JTS OF 2 7/8" NULOC TBG. EOT @ 2267.

-8:00PM SDFN 1/2 HR CREW TRAVEL

(THURS. TOOH CHANGE OUT SHOE TIH DRILL ON PLUG) - 24



BBA CORNABY 2-14A2
OH - Property #: 063077-002

WEST UNRESTRICTED

Well Chronology

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Project Group UINTA	State/Province UT			
Surface Legal Location 14-1-S 2-W-6	API/UWI 4301331299	Latitude (DMS) 40° 23' 59.25" N	Longitude (DMS) 110° 4' 10.59" E	Ground Elev ... 5,684.00	KB - GL (ft) 22.00	Orig KB Elev (ft) 5,706.00	TH Elev (ft) 5,684.00

Report # 8							
Report Start Date 4/7/2011 06:00	Report End Date 4/8/2011 06:00	Daily Cost 12,435	Cum Cost To Date 80,467	Depth End (ftKB) 0.0			

Time Log Summary

1/2 HR CREW TRAVEL - SM ON CHANGE OUT BHA

-WELL ON VAC. TOO H W/ 72 JTS OF 2 7/8" NL TBG, X-O, 6' PUP JT, & FISHING BHA. CHANGE OUT SHOE.

TIH W/ 3 3/4" SHOE, 4' PUP JT 3 3/4", TOP SUB, PIN X PIN, 2 JUNK BASKETS, BIT SUB, BUMPER SUB, SUPER JAR, X-O 2 3/8" REG X 2 7/8" 8RD, 6' PUP JT 2 7/8",

X-O, 160 JTS 2 7/8" NL TBG, X-O, & 242 JTS OF 2 7/8" 8RD TBG. R/U SWIVEL. PUMP DWN TBG @ 2 BBLS MIN W/ RIG PUMP. P/U 2 JTS TBG OFF PIPE RACKS.

TAG @ 12573. CUT OVER PLUG. R/D SWIVEL. P/U 5 JTS OF TBG OFF PIPE RACKS. TAG @ 12730. R/U SWIVEL. WORK THROUGH TIGHT HOLE. P/U 2 JTS TBG OFF PIPE RACKS TAG @ 12774.

L/D 1 JT TBG. R/D SWIVEL. TOO H W/ 150 JTS OF 2 7/8" 8RD TBG TO 8090'

-7:00PM SDFN 1/2 HR CREW TRAVEL

(FRIDAY. TIH TO PBDT) - 24

Report # 9							
Report Start Date 4/8/2011 06:00	Report End Date 4/9/2011 06:00	Daily Cost 13,170	Cum Cost To Date 93,637	Depth End (ftKB) 0.0			

Time Log Summary

1/2 HR CREW TRAVEL - SM ON M/U TBG

-WELL ON VAC. TIH W/ 152 JTS OF 2 7/8" TBG. R/U SWIVEL. PUMP @ 2 BBLS MIN W/ RIG PUMP. CHASE REMAINS OF 1 WAY DWN TO 13438. TAG FILL.

R/D SWIVEL. L/D 32 JTS OF 2 7/8" 8RD TBG. TOO H W/ 228 JTS 2 7/8" 8RD TBG. L/D 12 JTS OF 2 7/8" 8RD TBG. EOT @ 4974

(MON. TOO H L/D FISHING BHA. TIH W/ PKR) - 24

Report # 10							
Report Start Date 4/11/2011 06:00	Report End Date 4/12/2011 06:00	Daily Cost 15,290	Cum Cost To Date 108,927	Depth End (ftKB) 0.0			

Time Log Summary

1/2 HR CREW TRAVEL - SM CHANGE OUT BHA

- 0 PSI ON WELL - TOO H W/ 160 JTS 2 7/8" NU-LOC TBG. L/D FISHING TOOLS BHA. P/U 5" PKR.

TIH W/ 5" PKR, X-O, 2 7/8" PSN, X-O, 160 JTS 2 7/8" NU-LOC TBG, & 174 JTS 2 7/8" 8RD TBG.

SET 5" PKR @ 10,358' W/ 20K COMPRESSION.

PUMP 230 BBLS DWN CSG @ 8 BBLS MIN W/ RIG PUMP TO FILL. PRESSURE TEST BACKSIDE @ 1000 PSI

R/U SWAB EQUIP. TALLY SANDLINE IN TO 10,250'.

PSN @ 10,354'. PKR @ 10,358'. TOP OF PERFS @ 10,900'.

SFL @ 8,300'. TBG VOL 11 BBLS. CSG VOL F/ PKR TO PERF 5 BBLS. TOTAL LOAD 16 BBLS. MAKE 7 SWAB RUNS PULL BACK 43 BBLS. EFL @ 8,950'.

DEEPEST PULL 10,250'. LAST RUN 25% OIL CUT. R/D SWAB EQUIP.

-8:30PM SDFN 1/2 HR CREW TRAVEL

(HEAT FLAT TANK TRANSFER 73 BBLS OF OIL DWN FLOW LINE W/ HOT OILER)

(TUES. SWAB WELL) - 24

BBA CORNABY 2-14A2
OH - Property #: 063077-002**WEST UNRESTRICTED****Well Chronology**

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Project Group UINTA	State/Province UT			
Surface Legal Location 14-1-S 2-W-6	API/UWI 4301331299	Latitude (DMS) 40° 23' 59.25" N	Longitude (DMS) 110° 4' 10.59" E	Ground Elev ... 5,684.00	KB - GL (ft) 22.00	Orig KB Elev (ft) 5,706.00	TH Elev (ft) 5,684.00

Report # 11

Report Start Date 4/12/2011 06:00	Report End Date 4/13/2011 06:00	Daily Cost 6,827	Cum Cost To Date 115,754	Depth End (ftKB) 0.0
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Time Log Summary

1/2 HR CREW TRAVEL - SM ON SWABING

- 5 PSI ON TBG 0 PSI ON CSG BLEED OFF.

R/U SWAB EQUIP. PSN @ 10354. PKR @ 10358. TOP OF PERFS @ 10900. SFL @ 8300. TBG VOL 12 BBLS

CSG VOL F/ PKR TO TOP OF PERFS 10 BBLS. TL 22 BBLS

MAKE 17 SWAB RUNS PULL BACK 107 BBLS. EFL @ 9100. DEEPEST PULL 10250. LAST RUN 11% OIL CUT.

R/D SWAB EQUIP

-7:00PM SDFN 1/2 HR CREW TRAVEL

(HEAT 350 BBLS PROD WATER & 300 BBLS FRESH WATER TO 130 DEG W/ HOTOILER.) - 24

Report # 12

Report Start Date 4/13/2011 06:00	Report End Date 4/14/2011 06:00	Daily Cost 45,390	Cum Cost To Date 161,144	Depth End (ftKB) 0.0
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Time Log Summary

1/2 HR CREW TRAVEL - SAFETY MEETING W/ HALIBURTON

-0 PSI ON CSG 80 PSI ON TBG BLEED OFF.

R/U HALIBURTON. HOLD 800 PSI ON BACKSIDE W/ RIG PUMP. PUMP 238 BBLS OF 15% HCL W/ 1000 BIO BALLS, DISPLACE W/ 165 BBLS PROD WATER.

AVG RATE 8 BPM. MAX RATE 9.8 BPM. AVG PRESS 2500 PSI. MAX PRESS 4370 PSI. TOTAL 403 BBLS

SITP 0 PSI. R/D HALIBURTON.

R/U SWAB EQUIP. PSN @ 10354. PKR @ 10358. TOP OF PERF @ 10900. SFL @ 8400. TBG VOL 11 BBLS. CSG VOL F/ PKR TO TOP OF PERF 10 BBLS.

TOTAL LOAD 21 BBLS. MAKE 13 SWAB RUNS PULL BACK 90 BBLS. EFL @ 9250. LAST RUN 25% OIL CUT PH1.

R/D SWAB EQUIP.

-6:00PM SDFN 1/2 HR CREW TRAVEL - 24

Report # 13

Report Start Date 4/14/2011 06:00	Report End Date 4/15/2011 06:00	Daily Cost 45,390	Cum Cost To Date 206,534	Depth End (ftKB) 0.0
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Time Log Summary

1/2 HR CREW TRAVEL - SM BLEED OFF WELL

-0 PSI ON CSG 600 PSI ON TBG BLEED OFF.

R/U SWAB EQUIP. PSN @ 10354. PKR @ 10358. TOP OF PERF @ 10900. SFL @ 9000. TBG VOL 7.8 BBLS.

CSG VOL F/ PKR TO TOP OF PERF 9.5 BBLS. TL 17 BBLS

MAKE 4 SWAB RUNS PULL BACK 38 BBLS. EFL 8655. DEEPEST PULL 10250. LAST RUN 36% OIL CUT PH6

R/D SWAB EQUIP.

PUMP 40 BBLS DWN TBG W/ RIG PUMP. RELEASE 5" PKR. TOOH W/ 174 JTS 2 7/8" 8RD TBG, X-O, 160 JTS

2 7/8" NULOC TBG, X-O, PSN, X-O, & 5" PKR. L/D PKR

TIH W/ 2 3/8" BULL PLUG, 5" TAC, X-O, 2 JTS 2 7/8" NL TBG, 10' PERF 2 7/8" PUP JT, X-O, 2 7/8" PSN, X-O,

158 JTS 2 7/8" NL TBG, X-O, 36 JTS 2 7/8" 8RD TBG,

CIRC SHOE, & 70 JTS 2 7/8" 8RD TBG. EOT @ 8245

-6:00PM SDFN 1/2 HR CREW TRAVEL

(FRIDAY. TIH SET TAC RUN SIDESTRG) - 24

BBA CORNABY 2-14A2
OH - Property #: 063077-002**WEST UNRESTRICTED****Well Chronology**

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Project Group UINTA	State/Province UT			
Surface Legal Location 14-1-S 2-W-6	API/UWI 4301331299	Latitude (DMS) 40° 23' 59.25" N	Longitude (DMS) 110° 4' 10.59" E	Ground Elev ... 5,684.00	KB - GL (ft) 22.00	Orig KB Elev (ft) 5,706.00	TH Elev (ft) 5,684.00

Report # 14							
Report Start Date 4/15/2011 06:00	Report End Date 4/16/2011 06:00	Daily Cost 7,665	Cum Cost To Date 214,199	Depth End (ftKB) 0.0			

Time Log Summary

1/2 HR CREW TRAVEL - SAFETY MEETING ON SETTING 5" TAC

0 PSI ON TBG 10 PSI ON CSG BLEED OFF.

TIH W/ 122 JTS 2 7/8" 8RD TBG. R/D FLOOR. N/D BOP.

SET 5" TAC. LAND HGR IN WELLHEAD W/ 20K TENSION ON TBG. N/U BOP. R/U FLOOR. X-OVER TO 1.90 TBG. TIH W/ 1.90 STINGER, & 185 JTS OF 1.90 10RD TBG. R/D FLOOR. N/D BOP. P/U PUP JTS & HGR.

LAND HGR IN WELLHEAD W/ 6K COMPRESSION ON SIDESTRG. N/U WELLHEAD. X-OVER TO RODS.

ADD PELLETS FLUSH W/ 70 BBLS ADD 10 GAL CORR INH. TIH W/ 42' DIP TUBE, 37' PUMP 1 3/4", 56 WG 3/4" RODS, & 92 SLK 3/4" RODS. P/U 35 SLK 3/4" RODS. TIH W/ 125 SLK 7/8" RODS.

-8:30PM SDFN 1/2 HR CREW TRAVEL - 24

Report # 15							
Report Start Date 4/16/2011 06:00	Report End Date 4/17/2011 06:00	Daily Cost 196,479	Cum Cost To Date 410,678	Depth End (ftKB) 0.0			

Time Log Summary

1/2 HR CREW TRAVEL - SM PICKING UP RODS

-P/U 42 SLK 7/8" RODS, TIH W/ 128 SLK 3/4" RODS.

P/U POLISH ROD. FILL TBG W/ 65 BBLS. PRESSURE TEST @ 1000 PSI. STROKE PUMP W/ RIG PRESSURE UP TO 1000 PSI. PUMP 10 BBLS OF DIESEL DWN SIDE STRG. CLAMP & HANG RODS OFF TOAD STOOL

-2:00PM SDFN 1/2 HR CREW TRAVEL

(HEAT FLAT TNK & TRANSFER 110 BBLS OF OIL DWN FLOW LINE W/ HOT OILER)

(MON. RIG DWN ROAD RIG TO BOREN 4-9A2 RIG UP PULL RODS) - 24

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
		7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: CORNABY 2-14A2		
2. NAME OF OPERATOR: DEVON ENERGY PROD CO LP	9. API NUMBER: 43013312990000		
3. ADDRESS OF OPERATOR: P.O. Box 290 8345 North 5125 West, Neola, UT, 84053	PHONE NUMBER: 405 552-7883 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1157 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 14 Township: 01.0S Range: 02.0W Meridian: U	COUNTY: DUCHESNE		
	STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/30/2011 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
Subsequent report for Notice of Intent dated 05/13/11, approved 5/23/11. Set RBP @ 10,875', test to 1000 psi. Perforate Lower Green River 9,810 - 10,852', 47 intervals, 284', 572 holes. Set 5" pkr @ 9,486', test to 500 psi. Swab test. Acidize with 10,000 gals 15% HCL acid & 800 7/8" OD bioballs. Swab test. Release and LD pkr @ 9,486'. Return to production from Lower Green River perforations 9,810 - 10,852'. Attachment: well chronology 033011 to 050911.			
NAME (PLEASE PRINT) Deanna Bell		PHONE NUMBER 435 353-5780	TITLE Senior Field Technician
SIGNATURE N/A		DATE 7/27/2011	

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

BBA CORNABY 2-14A2
OH - Property #: 063077-002

WEST UNRESTRICTED


Well Chronology

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Project Group UINTA	State/Province UT			
Surface Legal Location 14-1-S 2-W-6	API/UWI 4301331299	Latitude (DMS) 40° 23' 59.25" N	Longitude (DMS) 110° 4' 10.59" E	Ground Elev ... 5,684.00	KB - GL (ft) 22.00	Orig KB Elev (ft) 5,706.00	TH Elev (ft) 5,684.00
Job Category RECOMPLETION	Primary Job Type COMPLETION	Secondary Job Type ADD PAY					
Job Start Date 3/30/2011 14:00	Job End Date 6/30/2011 16:00	AFE Number 160407	Total AFE + Sup Amount 433,000				
Contractor, Rig Name STONE WELL SERVICE	Rig Number 7	Rig Type					
Job Phase	Act Dur (days)	PI Cum Days ML (days)	Actual Phase Cost	Planned Likely Phase Cost	Cost Var ML		

Report # 1

Report Start Date 3/30/2011 14:00	Report End Date 3/31/2011 06:00	Daily Cost 4,045	Cum Cost To Date 4,045	Depth End (ftKB) 0.0
Time Log Summary 2:00PM ROAD RIG TO LOC. RIG UP. PUMP 100 BBLS DWN CSG & 70 BBLS DWN 2 7/8" TBG UP SIDE STRG DWN FLOW LINE W/ HOT OILER. PULL 8K OVER STRG WT PART RODS. L/D POLISH ROD & PONIES. TOOH W/ 130 SLK 1" RODS, 125 SLK 7/8" RODS, & 72 SLK 3/4" RODS. P/U POLISH ROD 8:30PM SDFN 1/2 HR CREW TRAVEL				

(THURS. TOOH W/ RODS PULL TBG) - 24

Report # 2

Report Start Date 3/31/2011 06:00	Report End Date 4/1/2011 06:00	Daily Cost 7,235	Cum Cost To Date 11,280	Depth End (ftKB) 0.0
Time Log Summary 1/2 HR CREW TRAVEL - SM W/ HOT OILER PUMP 80 BBLS DWN CSG W/ HOT OILER -TOOH W/ 20 SLK 3/4" RODS, 57 WG 3/4" RODS, 3' STAB SUB, & TOP OF PULL ROD. N/D WELLHEAD. UNSTING SIDE STRG. L/D SUBS & 1 JT OF 1.90 TBG. LAND HANGER. N/U WELLHEAD. FLUSH 2 7/8" TBG W/ 40 BBLS. FLUSH SIDE STRG W/ 20 BBLS. N/D WELLHEAD. N/U BOP. R/U FLOOR. L/D SIDE STRG HANGER & X-O. TOOH W/ 185 JTS OF 1.90 TBG, & STINGER. R/D FLOOR. N/D BOP. L/D HANGER. RELEASE TAC. N/U BOP. R/U FLOOR. TOOH W/ 192 JTS 2 7/8" 8RD TBG, 7" CIRC SHOE, 48 JTS 8RD TBG, X-O, 86 JTS NULOC TBG, X-O, PSN, X-O, 10' PERF 2 7/8" PUP JT, 1 JT 2 7/8" NULOC TBG, X-O, 5" TAC, X-O, & BULL PLUG -8:30PM SDFN 1/2 HR CREW TRAVEL				

(FRIDAY. TIH W/ 161 JTS OF 2 7/8" TBG, FLUSH TBG, TOOH. HYDROTEST IN W/ 4 1/8" BIT & 2 7/8" TBG) - 24

Report # 3

Report Start Date 4/1/2011 06:00	Report End Date 4/2/2011 06:00	Daily Cost 6,985	Cum Cost To Date 18,265	Depth End (ftKB) 0.0
Time Log Summary 1/2 HR CREW TRAVEL - SM ON TRIPPING TBG - 0 PSI ON WELL. TIH W/ 195 JTS OF 2 7/8" TBG. FLUSH TBG W/ 60 BBLS. TOOH W/ 127 JTS OF 2 7/8" TBG. FLUSH TBG W/ 30 BBLS. TOOH W/ 68 JTS OF 2 7/8" TBG. R/U HYDROTESTER. HYDROTEST IN HOLE W/ 4 1/8" BIT, BIT SUB, X-O, & 87 JTS OF 2 7/8" NULOC TBG. P/U 73 JTS OF 2 7/8" NULOC TBG OFF PIPE RACKS. TIH W/ 104 JTS OF 2 7/8" 8RD TBG. EOT @ 8186. FOUND 8RD COLLAR LEAK JT #210 REPACE COLLAR -7:30PM SDFN 1/2 HR CREW TRAVEL				

(SAT. HYDROTEST TBG. TIH TAG PLUG) - 24


BBA CORNABY 2-14A2
OH - Property #: 063077-002
WEST UNRESTRICTED**Well Chronology**

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Project Group UINTA	State/Province UT
Surface Legal Location 14-1-S 2-W-6	API/UWI 4301331299	Latitude (DMS) 40° 23' 59.25" N	Longitude (DMS) 110° 4' 10.59" E	Ground Elev 5,684.00
			KB - GL (ft) 22.00	Orig KB Elev (ft) 5,706.00
				TH Elev (ft) 5,684.00

Report # 4				
Report Start Date 4/2/2011 06:00	Report End Date 4/3/2011 06:00	Daily Cost 6.235	Cum Cost To Date 24.500	Depth End (ftKB) 0.0

Time Log Summary
1/2 HR CREW TRAVEL - SM ON HYDROTEST TBG

- 0 PSI ON WELL. HYDROTEST IN W/ 120 JTS OF 2 7/8" 8RD TBG. TAG @ 11923'. R/D HYDROTESTER.
(TEST 384 JTS OF 2 7/8" TBG @ 9000 PSI)
POOH ABOVE LINER W/ 116 JTS OF 2 7/8" 8RD TBG
EOT @ 8305.

-11:00AM SDFN 1/2 HR CREW TRAVEL

(MON. ATTEMPT TO FILL HOLE & CIRC) - 24

Report # 5				
Report Start Date 4/4/2011 06:00	Report End Date 4/5/2011 06:00	Daily Cost 9,285	Cum Cost To Date 33,785	Depth End (ftKB) 0.0

Time Log Summary
1/2 HR CREW TRAVEL - SM ON RIG UP PUMP

- 0 PSI ON WELL. R/U PUMP LINES & WASHINGTON HEAD. PUMP 320 BBLS @ 6 BBLS MIN TO FILL CSG.
TIH W/ 116 JTS OF 2 7/8" 8RD TBG TO CIBP. PICK UP PUP JT & POWER SWIVEL. CIRC @ 3.5 BBLS MIN 600 PSI W/ 23 BBLS HR LOSS. DRILL ON
PLUG FOR 4 HRS. LOST RETURNS. PUMP 100 BBLS @ 6 BBLS MIN TO CATCH CIRC. CIRC @ 5 BBLS MIN 600 PSI W/ 3 BBLS MIN LOSS. DRILL OUT
PLUG. CIRC TBG CLEAN. L/D PUP JT. R/D POWER SWIVEL. PULL 2 JTS OF TBG.
EOT @ 11857'

-8:30PM SDFN 1/2 HR CREW TRAVEL

(TUES. TOOH L/D BIT P/U SHOE & JUNK BASKET TIH) - 24

Report # 6				
Report Start Date 4/5/2011 06:00	Report End Date 4/6/2011 06:00	Daily Cost 8,610	Cum Cost To Date 42,395	Depth End (ftKB) 0.0

Time Log Summary
1/2 HR CREW TRAVEL - SAFETY MEETING ON PINCH POINTS

-WELL ON VAC. TOOH W/ 222 JTS OF 2 7/8" 8RD TBG, X-O, 160 JTS OF 2 7/8" NU-LOC TBG, X-O, BIT SUB, &
4 1/8" BIT. L/D BIT & BIT SUB. M/U FISHING BHA.
TIH W/ 4 1/16" SHOE, 4' PUP JT 3 3/4", TOP SUB, PIN X PIN, 2 JUNK BASKETS, BUMPER SUB, SUPER JAR, X-O 2 3/8" REG X 2 7/8" 8RD, 6' PUP JT 2
7/8" 8RD, X-O 8RD X N-L, 160 JTS 2 7/8" NU-LOC TBG, X-O N-L X 8RD, 106 JTS 2 7/8" 8RD TBG. EOT @ 8278.
-3:00PM SDFN 1/2 HR CREW TRAVEL.

(WED. TIH WASH OVER PLUG #2. FIND PBTD)

- 24

Report # 7				
Report Start Date 4/6/2011 06:00	Report End Date 4/7/2011 06:00	Daily Cost 25,637	Cum Cost To Date 68,032	Depth End (ftKB) 0.0

Time Log Summary
1/2 HR CREW TRAVEL - SM ON TIH

-WELL ON VAC. TIH W/ 138 JTS OF 2 7/8" 8RD TBG.
R/U SWIVEL. PUMP DWN TBG @ 1 1/2 BBLS MIN.
ROTATE TBG @ 60 RPM. TAG FILL @ 12555. WASH DWN & TAG PLUG @ 12772. DRILL ON PLUG F/ 12572 TO 12573. R/D SWIVEL. L/D 2 JTS 2 7/8"
TBG.
TOOH W/ 242 JTS OF 2 7/8" 8RD TBG, X-O, & 88 JTS OF 2 7/8" NULOC TBG. EOT @ 2267.
-8:00PM SDFN 1/2 HR CREW TRAVEL

(THURS. TOOH CHANGE OUT SHOE TIH DRILL ON PLUG) - 24

BBA CORNABY 2-14A2
OH - Property #: 063077-002**WEST UNRESTRICTED****Well Chronology**

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Project Group UINTA	State/Province UT			
Surface Legal Location 14-1-S 2-W-6	API/UWI 4301331299	Latitude (DMS) 40° 23' 59.25" N	Longitude (DMS) 110° 4' 10.59" E	Ground Elev ... 5,684.00	KB - GL (ft) 22.00	Orig KB Elev (ft) 5,706.00	TH Elev (ft) 5,684.00

Report # 8							
Report Start Date 4/7/2011 06:00	Report End Date 4/8/2011 06:00	Daily Cost 12,435	Cum Cost To Date 80,467	Depth End (ftKB) 0.0			

Time Log Summary

1/2 HR CREW TRAVEL - SM ON CHANGE OUT BHA

-WELL ON VAC. TOO H W/ 72 JTS OF 2 7/8" NL TBG, X-O, 6' PUP JT, & FISHING BHA. CHANGE OUT SHOE.

TIH W/ 3 3/4" SHOE, 4' PUP JT 3 3/4", TOP SUB, PIN X PIN, 2 JUNK BASKETS, BIT SUB, BUMPER SUB, SUPER JAR, X-O 2 3/8" REG X 2 7/8" 8RD, 6' PUP JT 2 7/8",

X-O, 160 JTS 2 7/8" NL TBG, X-O, & 242 JTS OF 2 7/8" 8RD TBG. R/U SWIVEL. PUMP DWN TBG @ 2 BBLS MIN W/ RIG PUMP. P/U 2 JTS TBG OFF PIPE RACKS.

TAG @ 12573. CUT OVER PLUG. R/D SWIVEL. P/U 5 JTS OF TBG OFF PIPE RACKS. TAG @ 12730. R/U SWIVEL. WORK THROUGH TIGHT HOLE. P/U 2 JTS TBG OFF PIPE RACKS TAG @ 12774.

L/D 1 JT TBG. R/D SWIVEL. TOO H W/ 150 JTS OF 2 7/8" 8RD TBG TO 8090'

-7:00PM SDFN 1/2 HR CREW TRAVEL

(FRIDAY. TIH TO PBTD) - 24

Report # 9				
Report Start Date 4/8/2011 06:00	Report End Date 4/9/2011 06:00	Daily Cost 13,170	Cum Cost To Date 93,637	Depth End (ftKB) 0.0

Time Log Summary

1/2 HR CREW TRAVEL - SM ON M/U TBG

-WELL ON VAC. TIH W/ 152 JTS OF 2 7/8" TBG. R/U SWIVEL. PUMP @ 2 BBLS MIN W/ RIG PUMP. CHASE REMAINS OF 1 WAY DWN TO 13438. TAG FILL.

R/D SWIVEL. L/D 32 JTS OF 2 7/8" 8RD TBG. TOO H W/ 228 JTS 2 7/8" 8RD TBG. L/D 12 JTS OF 2 7/8" 8RD TBG. EOT @ 4974

(MON. TOO H L/D FISHING BHA. TIH W/ PKR) - 24

Report # 10				
Report Start Date 4/11/2011 06:00	Report End Date 4/12/2011 06:00	Daily Cost 15,290	Cum Cost To Date 108,927	Depth End (ftKB) 0.0

Time Log Summary

1/2 HR CREW TRAVEL - SM CHANGE OUT BHA

- 0 PSI ON WELL - TOO H W/ 160 JTS 2 7/8" NU-LOC TBG. L/D FISHING TOOLS BHA. P/U 5" PKR.

TIH W/ 5" PKR, X-O, 2 7/8" PSN, X-O, 160 JTS 2 7/8" NU-LOC TBG, & 174 JTS 2 7/8" 8RD TBG.

SET 5" PKR @ 10,358' W/ 20K COMPRESSION.

PUMP 230 BBLS DWN CSG @ 8 BBLS MIN W/ RIG PUMP TO FILL. PRESSURE TEST BACKSIDE @ 1000 PSI

R/U SWAB EQUIP. TALLY SANDLINE IN TO 10,250'.

PSN @ 10,354'. PKR @ 10,358'. TOP OF PERFS @ 10,900'.

SFL @ 8,300'. TBG VOL 11 BBLS. CSG VOL F/ PKR TO PERF 5 BBLS. TOTAL LOAD 16 BBLS. MAKE 7 SWAB RUNS PULL BACK 43 BBLS. EFL @ 8,950'.

DEEPEST PULL 10,250'. LAST RUN 25% OIL CUT. R/D SWAB EQUIP.

-8:30PM SDFN 1/2 HR CREW TRAVEL

(HEAT FLAT TANK TRANSFER 73 BBLS OF OIL DWN FLOW LINE W/ HOT OILER)

(TUES. SWAB WELL) - 24

**BBA CORNABY 2-14A2**
OH - Property #: 063077-002**WEST UNRESTRICTED****Well Chronology**

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Project Group UINTA	State/Province UT			
Surface Legal Location 14-1-S 2-W-6	API/UWI 4301331299	Latitude (DMS) 40° 23' 59.25" N	Longitude (DMS) 110° 4' 10.59" E	Ground Elev ... 5,684.00	KB - GL (ft) 22.00	Orig KB Elev (ft) 5,706.00	TH Elev (ft) 5,684.00

Report # 11

Report Start Date 4/12/2011 06:00	Report End Date 4/13/2011 06:00	Daily Cost 6,827	Cum Cost To Date 115,754	Depth End (ftKB) 0.0
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Time Log Summary

1/2 HR CREW TRAVEL - SM ON SWABING

- 5 PSI ON TBG 0 PSI ON CSG BLEED OFF.

R/U SWAB EQUIP. PSN @ 10354. PKR @ 10358. TOP OF PERFS @ 10900. SFL @ 8300. TBG VOL 12 BBLS

CSG VOL F/ PKR TO TOP OF PERFS 10 BBLS. TL 22 BBLS

MAKE 17 SWAB RUNS PULL BACK 107 BBLS. EFL @ 9100. DEEPEST PULL 10250. LAST RUN 11% OIL CUT.

R/D SWAB EQUIP

-7:00PM SDFN 1/2 HR CREW TRAVEL

(HEAT 350 BBLS PROD WATER & 300 BBLS FRESH WATER TO 130 DEG W/ HOTOILER.) - 24

Report # 12

Report Start Date 4/13/2011 06:00	Report End Date 4/14/2011 06:00	Daily Cost 45,390	Cum Cost To Date 161,144	Depth End (ftKB) 0.0
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Time Log Summary

1/2 HR CREW TRAVEL - SAFETY MEETING W/ HALIBURTON

-0 PSI ON CSG 80 PSI ON TBG BLEED OFF.

R/U HALIBURTON. HOLD 800 PSI ON BACKSIDE W/ RIG PUMP. PUMP 238 BBLS OF 15% HCL W/ 1000 BIO BALLS, DISPLACE W/ 165 BBLS PROD WATER.

AVG RATE 8 BPM. MAX RATE 9.8 BPM. AVG PRESS 2500 PSI. MAX PRESS 4370 PSI. TOTAL 403 BBLS

SITP 0 PSI. R/D HALIBURTON.

R/U SWAB EQUIP. PSN @ 10354. PKR @ 10358. TOP OF PERF @ 10900. SFL @ 8400. TBG VOL 11 BBLS. CSG VOL F/ PKR TO TOP OF PERF 10 BBLS.

TOTAL LOAD 21 BBLS. MAKE 13 SWAB RUNS PULL BACK 90 BBLS. EFL @ 9250. LAST RUN 25% OIL CUT PH1.

R/D SWAB EQUIP.

-6:00PM SDFN 1/2 HR CREW TRAVEL - 24

Report # 13

Report Start Date 4/14/2011 06:00	Report End Date 4/15/2011 06:00	Daily Cost 45,390	Cum Cost To Date 206,534	Depth End (ftKB) 0.0
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Time Log Summary

1/2 HR CREW TRAVEL - SM BLEED OFF WELL

-0 PSI ON CSG 600 PSI ON TBG BLEED OFF.

R/U SWAB EQUIP. PSN @ 10354. PKR @ 10358. TOP OF PERF @ 10900. SFL @ 9000. TBG VOL 7.8 BBLS.

CSG VOL F/ PKR TO TOP OF PERF 9.5 BBLS. TL 17 BBLS

MAKE 4 SWAB RUNS PULL BACK 38 BBLS. EFL 8655. DEEPEST PULL 10250. LAST RUN 36% OIL CUT PH6

R/D SWAB EQUIP.

PUMP 40 BBLS DWN TBG W/ RIG PUMP. RELEASE 5" PKR. TOOH W/ 174 JTS 2 7/8" 8RD TBG, X-O, 160 JTS

2 7/8" NULOC TBG, X-O, PSN, X-O, & 5" PKR. L/D PKR

TIH W/ 2 3/8" BULL PLUG, 5" TAC, X-O, 2 JTS 2 7/8" NL TBG, 10' PERF 2 7/8" PUP JT, X-O, 2 7/8" PSN, X-O,

158 JTS 2 7/8" NL TBG, X-O, 36 JTS 2 7/8" 8RD TBG,

CIRC SHOE, & 70 JTS 2 7/8" 8RD TBG. EOT @ 8245

-6:00PM SDFN 1/2 HR CREW TRAVEL

(FRIDAY. TIH SET TAC RUN SIDESTRG) - 24

BBA CORNABY 2-14A2
OH - Property #: 063077-002**WEST UNRESTRICTED****Well Chronology**

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Project Group UINTA	State/Province UT
Surface Legal Location 14-1-S 2-W-6	API/UWI 4301331299	Latitude (DMS) 40° 23' 59.25" N	Longitude (DMS) 110° 4' 10.59" E	Ground Elev ... KB - GL (ft) 5,684.00 22.00
				Orig KB Elev (ft) 5,706.00
				TH Elev (ft) 5,684.00

Report # 14

Report Start Date 4/15/2011 06:00	Report End Date 4/16/2011 06:00	Daily Cost 7,665	Cum Cost To Date 214,199	Depth End (ftKB) 0.0
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Time Log Summary

1/2 HR CREW TRAVEL - SAFETY MEETING ON SETTING 5" TAC

0 PSI ON TBG 10 PSI ON CSG BLEED OFF.

TIH W/ 122 JTS 2 7/8" 8RD TBG. R/D FLOOR. N/D BOP.

SET 5" TAC. LAND HGR IN WELLHEAD W/ 20K TENSION ON TBG. N/U BOP. R/U FLOOR. X-OVER TO 1.90 TBG. TIH W/ 1.90 STINGER, & 185 JTS OF

1.90 10RD TBG. R/D FLOOR. N/D BOP. P/U PUP JTS & HGR.

LAND HGR IN WELLHEAD W/ 6K COMPRESSION ON SIDESTRG. N/U WELLHEAD. X-OVER TO RODS.

ADD PELLETS FLUSH W/ 70 BBLs ADD 10 GAL CORR INH. TIH W/ 42' DIP TUBE, 37' PUMP 1 3/4", 56 WG 3/4" RODS, & 92 SLK 3/4" RODS. P/U 35 SLK

3/4" RODS. TIH W/ 125 SLK 7/8" RODS.

-8:30PM SDFN 1/2 HR CREW TRAVEL - 24

Report # 15

Report Start Date 4/16/2011 06:00	Report End Date 4/17/2011 06:00	Daily Cost 119,479	Cum Cost To Date 333,678	Depth End (ftKB) 0.0
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Time Log Summary

1/2 HR CREW TRAVEL - SM PICKING UP RODS

-P/U 42 SLK 7/8" RODS, TIH W/ 128 SLK 3/4" RODS.

P/U POLISH ROD. FILL TBG W/ 65 BBLs. PRESSURE TEST @ 1000 PSI. STROKE PUMP W/ RIG PRESSURE UP TO 1000 PSI. PUMP 10 BBLs OF

DIESEL DWN SIDE STRG. CLAMP & HANG RODS OFF TOAD STOOL

-2:00PM SDFN 1/2 HR CREW TRAVEL

(HEAT FLAT TNK & TRANSFER 110 BBLs OF OIL DWN FLOW LINE W/ HOT OILER)

(MON. RIG DWN ROAD RIG TO BOREN 4-9A2 RIG UP PULL RODS) - 24

Report # 16

Report Start Date 6/15/2011 06:00	Report End Date 6/16/2011 06:00	Daily Cost 10,288	Cum Cost To Date 343,965	Depth End (ftKB) 0.0
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Time Log Summary

1/2 HR CREW TRAVEL - SM ON RIG UP

ROAD RIG TO LOC. PUMP 100 BBLs DWN CSG & 50 BBLs DWN SIDE STRG UP TBG DWN FLOW LINE. PRESSURE TEST TBG @ 1000 PSI

SLIDE ROTAFLEX. RIG UP. L/D POLISH ROD. PULL 10K OVER STRG WT TO GET PUMP OFF SEAT. FLUSH RODS W/ 75 BBLs. TOOH W/ 127 SLK 1"

RODS, 167 SLK 7/8" RODS. FLUSH RODS W/ 20 BBLs. TOOH W/ 127 SLK 3/4" RODS, 56 WG 3/4" RODS, PUMP, & DIP TUBE.

X-OVER TO 1.90 TBG. N/D WELLHEAD. N/U BOP FUNCTION TEST PIPE RAMS & BLIND RAMS.

R/U FLOOR. L/D SIDESTRG HGR & PUP JTS.

TOOH W/ 185 JTS 1.90 TBG & STINGER.

X-OVER TO 2 7/8". R/D FLOOR. N/D BOP. L/D HGR. RELEASE TAC. N/U BOP. R/U FLOOR.

-8:30PM SDFN 1/2 HR CREW TRAVEL

(THURS. FLUSH TBG. TOOH W/ 2 7/8" TBG) - 24

Report # 17

Report Start Date 6/16/2011 06:00	Report End Date 6/17/2011 06:00	Daily Cost 11,200	Cum Cost To Date 355,166	Depth End (ftKB) 0.0
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Time Log Summary

1/2 HR CREW TRAVEL - SM POOH W/ TAC

FLUSH TBG W/ 75 BBLs. TOOH W/192 JTS 2 7/8" 8RD TBG, 7" CIRC SHOE, 36 JTS 2 7/8" 8RD TBG, X-O, & 52 JTS 2 7/8" NL TBG. FLUSH TBG W/ 30

BBLs. TOOH W/ 106 JTS 2 7/8" NL TBG, X-O, PSN, X-O, 10' PERF 2 7/8" NL PUP JT, 2 JTS 2 7/8" NL TBG, X-O, 5" TAC, & BULL PLUG.

R/U HYDROTESTER. HYDROTEST IN HOLE W/ 5" RBP, RET TOOL, 2 7/8"PSN, X-O, 160 JTS 2 7/8" NL TBG,

X-O, & 98 JTS 2 7/8" 8RD TBG. EOT @ 7999.

(FIX 1 NL COLLAR LEAK)

-6:30PM SDFN 1/2 HR CREW TRAVEL

(FRIDAY. HYDROTEST TBG TIN HOLE. SET RBP. LOAD CSG & PRESSURE TEST. TOOH W/ TBG) - 24


BBA CORNABY 2-14A2
 OH - Property #: 063077-002

WEST UNRESTRICTED

Well Chronology

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Project Group UINTA	State/Province UT
Surface Legal Location 14-1-S 2-W-6	API/UWI 4301331299	Latitude (DMS) 40° 23' 59.25" N	Longitude (DMS) 110° 4' 10.59" E	Ground Elev ... 5,684.00
			KB - GL (ft) 22.00	Orig KB Elev (ft) 5,706.00
				TH Elev (ft) 5,684.00

Report # 18				
Report Start Date 6/17/2011 06:00	Report End Date 6/18/2011 06:00	Daily Cost 9.005	Cum Cost To Date 364.171	Depth End (ftKB) 0.0

Time Log Summary

1/2 HR CREW TRAVEL - SM ON TEAM WORK

0 PSI ON CSG 50 PSI ON TBG BLEED OFF.

HYDROTEST IN HOLE W/ 92 JTS 2 7/8" 8RD TBG.

(TESTED 350 JTS @ 9000 PSI FIX 1 NL COLLAR LEAK)

R/D HYDROTEST.

SET 5" RBP @ 10875. PULL UP 10' OFF PLUG. PUMP 284 BBLs @ 8 BPM TO FILL CSG. CIRC OUT GAS & OIL @ 4 BPM 600 PSI. PRESSURE TEST

PLUG @ 1000 PSI FOR 10 MIN. PULL 2 JTS TBG TO 10803. TRICKLE 1 SACK SAND DWN TBG DISPLACE W/ 60 BBLs.

TOOH W/ 186 JTS 2 7/8" 8RD TBG, X-O, 160 JTS 2 7/8" NL TBG, X-O, PSN, & RET TOOL.

-4:30PM SDFW 1/2 HR CREW TRAVEL

(PRESSURE TESTED PIPE RAMS @ 1000 PSI)

(MON. PERFORATE LGR F/ 9690 TO 10854) - 24

Report # 19				
Report Start Date 6/20/2011 06:00	Report End Date 6/21/2011 06:00	Daily Cost 30,865	Cum Cost To Date 395,036	Depth End (ftKB) 0.0

Time Log Summary

1/2 HR CREW TRAVEL - SM ON R/U WIRELINE

0 PSI ON CSG - R/U WIRELINE.

1ST RUN F/ 10718 TO 10852 = 44 HOLES

2ND RUN F/ 10620 TO 10704 = 52 HOLES

3RD RUN F/ 10534 TO 10610 = 48 HOLES

4RTH RUN F/ 10464 TO 10530 = 48 HOLES

5TH RUN F/ 10338 TO 10448 = 48 HOLES

6TH RUN F/ 10266 TO 10322 = 44 HOLES

7TH RUN F/ 10200 TO 10252 = 52 HOLES

8TH RUN F/ 10096 TO 10170 = 36 HOLES

9TH RUN F/ 10004 TO 10086 = 36 HOLES

10TH RUN F/ 9906 TO 9992 = 44 HOLES

11TH RUN F/ 9810 TO 9870 = 60 HOLES

12TH RUN F/ 9664 TO 9802 = 60 HOLES

OF INTERVALS 47. NET FEET OF NEW PERFS 284.

OF NEW HOLES 572. R/D WIRELINE

TIH W/ 5" PKR, X-O, PSN, X-O, & 48 JTS 2 7/8" NL TBG.

EOT @ 1494

-7:00PM SDFN 1/2 HR CREW TRAVEL

(TUES. TIH & SET 5" PKR @ 9486. PRESSURE TEST BACKSIDE. SWAB TBG) - 24

Report # 20				
Report Start Date 6/21/2011 06:00	Report End Date 6/22/2011 06:00	Daily Cost 7,800	Cum Cost To Date 402,836	Depth End (ftKB) 0.0

Time Log Summary

1/2 HR CREW TRAVEL - SM ON TIH W/ PKR

10 PSI ON TBG & CSG BLEED OFF. TIH W/ 112 JTS

2 7/8" NL TBG, X-O, & 98 JTS 2 7/8" 8RD TBG.

SET 5" PKR @ 9486 W/ 25K COMPRESSION. PUMP 270 BBLs @ 6.5 BPM TO FILL BACKSIDE. PRESSURE TEST BACKSIDE @ 500 PSI FOR 10 MIN.

R/U SWAB EQUIP. SLIP N CUT 300' OF SANDLINE. REHEAD ROPE SOCKET. TALLY SANDLINE IN W/ SINKER BARS TO 9400'. PSN @ 9483. PKR @

9486. TOP OF PERFS @ 9664. SFL @ 7900. TBG VOL 9 BBLs.

CSG VOL F/ PERFS TO PKR 7 BBLs. TL 16 BBLs.

MAKE 8 SWAB RUNS PULL BACK 55 BBLs. DEEPEST PULL 9400. EFL @ 7800'. LAST RUN 57% OIL CUT.

R/D SWAB EQUIP.

-5:00PM SDFN 1/2 HR CREW TRAVEL

(WED. SWAB WELL) - 24


BBA CORNABY 2-14A2
OH - Property #: 063077-002

WEST UNRESTRICTED

Well Chronology

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Project Group UINTA	State/Province UT			
Surface Legal Location 14-1-S-2-W-6	API/UWI 4301331299	Latitude (DMS) 40° 23' 59.25" N	Longitude (DMS) 110° 4' 10.59" E	Ground Elev ... 5,684.00	KB - GL (ft) 22.00	Orig KB Elev (ft) 5,706.00	TH Elev (ft) 5,684.00

Report # 21							
Report Start Date 6/22/2011 06:00	Report End Date 6/23/2011 06:00	Daily Cost 4,485	Cum Cost To Date 407,321	Depth End (ftKB) 0.0			

Time Log Summary

1/2 HR CREW TRAVEL - SM ON SWABING

0 PSI ON CSG 150 PSI ON TBG BLEED OFF

R/U SWAB EQUIP. PSN @ 9483. PKR 9486. PERFS F/ 9664 TO 10852. RBP @ 10875. SFL @ 7600. TBG VOL 11 BBLS. CSG VOL F/ PKR TO TOP OF PERFS 7 BBLS.

TL 18 BBLS. MAKE 21 SWAB RUNS PULL BACK 102 BBLS. EFL @ 8700. LAST RUN 41% OIL CUT.

DEEPEST PULL 9400. R/D SWAB EQUIP.

-5:00PM SDFN 1/2 HR CREW TRAVEL

(THURS. ACIDIZE PERFS) - 24

Report # 22							
Report Start Date 6/23/2011 06:00	Report End Date 6/24/2011 06:00	Daily Cost 41,425	Cum Cost To Date 448,746	Depth End (ftKB) 0.0			

Time Log Summary

1/2 HR CREW TRAVEL - SM W/ HAL

0 PSI ON CSG 150 PSI ON TBG BLEED OFF

R/U HAL. PUMP 247 BBLS 15% HCL W/ 800 BIOBALLS, DISPLACE W/ 131 BBLS PROD H2O. AVG RATE 10.2 BPM. AVG PRESS 2600 PSI. ISIP 0 PSI. TL 378 BBLS.

R/D HAL. R/U SWAB EQUIP.

PSN @ 9483. PKR 9486. PERFS F/ 9664 TO 10852. RBP @ 10875. SFL @ 6700. TBG VOL 16 BBLS. CSG VOL F/ PKR TO TOP OF PERFS 3 BBLS. TL 19 BBLS. MAKE 18 SWAB RUNS PULL BACK 154 BBLS. EFL @ 6200. DEEPEST PULL 8200. LAST RUN 29% OIL CUT. PH6

R/D SWAB EQUIP

-5:00PM SDFN 1/2 HR CREW TRAVEL.

(FRIDAY. SWAB WELL) - 24

Report # 23							
Report Start Date 6/24/2011 06:00	Report End Date 6/25/2011 06:00	Daily Cost 4,900	Cum Cost To Date 453,646	Depth End (ftKB) 0.0			

Time Log Summary

1/2 HR CREW TRAVEL - SM ON SWABING

0 PSI ON CSG 700 PSI ON TBG BLEED OFF

R/U SWAB EQUIP. PSN @ 9483. PKR @ 9486. PERFS F/ 9664 TO 10852. RBP @ 10875. SFL @ 5400. TBG VOL 23 BBLS. CSG VOL F/ PKR TO TOP OF PERFS 3 BBLS.

TL 26 BBLS. MAKE 27 SWAB RUNS PULL BACK 234 BBLS. EFL @ 5300. LAST RUN 64% OIL CUT PH 7. DEEPEST PULL 7700. R/D SWAB EQUIP.

-5:00PM SDFW 1/2 HR CREW TRAVEL

(MON. MAKE FLUID LEVEL RUN. RELEASE PKR POOH. RUN IN W/ PROD EQUIP) - 24

Report # 24							
Report Start Date 6/27/2011 06:00	Report End Date 6/28/2011 06:00	Daily Cost 7,440	Cum Cost To Date 461,086	Depth End (ftKB) 0.0			

Time Log Summary

1/2 HR CREW TRAVEL - SM RELEASE PKR

0 PSI ON CSG 1300 PSI ON TBG BLEED OFF.

R/U SWAB EQUIP. MAKE FLUID LEVEL RUN FOUND FLUID @ 5400'. R/D SWAB EQUIP.

PUMP 30 BBLS DWN TBG @ 5 BPM. RELEASE 5" PKR. FLUSH TBG W/ 30 BBLS. TOO H W/ 114 JTS 2 7/8" 8RD TBG. FLUSH TBG W/ 40 BBLS. L/D 36 JTS 2 7/8" 8RD TBG & 5 JTS 2 7/8" NL TBG. TOO H W/ 155 JTS 2 7/8" NL TBG, X-O, PSN, & PKR. L/D PKR P/U 5" TAC.

TIH W/ 2 7/8" BULL PLUG W/ COLLAR, 5" TAC, 2 JTS

2 7/8" NL TBG, 10' PERF NL PUP JT, & X-O.

R/U HYDROTESTER. HYDROTEST IN HOLE W/ 2 7/8" PSN, X-O, 155 JTS 2 7/8" NL TBG, X-O, 7" CIRC SHOE, & 110 JTS 2 7/8" 8RD TBG. EOT @ 8250

-7:30PM SDFN 1/2 HR CREW TRAVEL

(TUES. HYDROTEST TBG IN HOLE LAND 2 7/8". TIH W/ SIDE STRG. N/D BOP N/U WELLHEAD) - 24


BBA CORNABY 2-14A2
OH - Property #: 063077-002

WEST UNRESTRICTED

Well Chronology

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Project Group UINTA	State/Province UT
Surface Legal Location 14-1-S 2-W-6	API/UWI 4301331299	Latitude (DMS) 40° 23' 59.25" N	Longitude (DMS) 110° 4' 10.59" E	Ground Elev ... 5,684.00
			KB - GL (ft) 22.00	Orig KB Elev (ft) 5,706.00
				TH Elev (ft) 5,684.00

Report # 25				
Report Start Date 6/28/2011 06:00	Report End Date 6/29/2011 06:00	Daily Cost 12,712	Cum Cost To Date 473,798	Depth End (ftKB) 0.0

Time Log Summary
 1/2 HR CREW TRAVEL - SM HYDROTEST TBG
 50 PSI ON CSG 100 PSI ON TBG BLEED OFF
 HYDROTEST IN W/ 82 JTS 2 7/8" 8RD TBG. TESTED 345 JTS 2 7/8" TBG @ 9000 PSI. FIX 1 NL COLLAR LEAK. R/D HYDROTESTER. R/D FLOOR. N/D BOP. SET TAC. LAND HGR IN WELLHEAD W/ 20K TENSION ON TBG. N/U BOP. R/U FLOOR. X-OVER TO 1.90 TBG.
 TIH W/ 1.90 STINGER, & 185 JTS 1.90 10RD TBG.
 R/D FLOOR. N/D BOP. P/U SUBS & HGR. LAND HGR IN WELLHEAD W/ 7K COMPRESSION ON SIDE STRG. N/U WELLHEAD. X-OVER TO RODS. ADD 5 GAL CORR CHEM FLUSH W/ 65 BBLS ADD 10 GAL CORR INH. TIH W/ 42' DIP TUBE, 1 3/4" X 36' PUMP, 53 WG 3/4" RODS, & 16 SLK 3/4" RODS. L/D 16 SLK 3/4" RODS. TIH W/ 76 SLK 3/4" RODS & 12 SLK 7/8" RODS. L/D 12 SLK 7/8" RODS. TIH W/ 155 SLK 7/8" RODS & 18 SLK 1" RODS. L/D 18 SLK 1" RODS. P/U POLISH ROD.
 -6:30PM SDFN 1/2 HR CREW TRAVEL
 (HEAT FLOWBACK TANK & FLAT TANK. TRANSFER 250 BBLS OF OIL DWN FLOW LINE W/ HOT OILER)
 (WED. TIH W/ RODS SPACE OUT RODS FILL & TEST) - 24

Report # 26				
Report Start Date 6/29/2011 06:00	Report End Date 6/30/2011 06:00	Daily Cost 4,903	Cum Cost To Date 478,701	Depth End (ftKB) 0.0

Time Log Summary
 1/2 HR CREW TRAVEL - SM TIH W/ RODS
 BLEED OFF WELL. L/D POLISH ROD. TIH W/ 107 SLK 1" RODS. SPACE OUT RODS. P/U 2' PONY & POLISH ROD.
 PUMP 47 BBLS TO FILL TBG. PRESSURE TEST @ 1000 PSI STROKE TEST PUMP W/ RIG (5 STROKES) PRESSURE UP TO 1000 PSI. PUMP 10 BBLS OF DIESEL DWN SIDE STRG. RIG DOWN SLIDE ROTAFLEX. HANG RODS 14" OFF TAG.
 -12:00PM PUT ON PRODUCTION - 24

Report # 27				
Report Start Date 6/30/2011 06:00	Report End Date 7/1/2011 06:00	Daily Cost 10,361	Cum Cost To Date 489,062	Depth End (ftKB) 0.0

Time Log Summary
 ROAD RIG TO LOC. PUMP 75 BBLS DWN CSG & 55 BBLS DWN SIDESTRG UP TBG DWN FLOW LINE.
 SLIDE ROTAFLEX. RIG UP. L/D POLISH ROD & PONY ROD. PULL 10K OVER STRG WT TO GET PUMP OFF SEAT. FLUSH RODS W/ 75 BBLS. TOOH W/ 107 SLK 1" RODS, 155 SLK 7/8" RODS, 111 SLK 3/4" RODS, 53 WG 3/4" RODS, PUMP, & DIP TUBE.
 ADD 5 GAL SCALE INH FLUSH W/ 65 BBLS ADD 10 GAL CORR INH. CHANGE OUT PUMP.
 TIH W/ 42' DIP TUBE, 1 3/4" X 36' PUMP, & RODS.
 P/U PONY ROD & POLISH ROD. PUMP 40 BBLS TO FILL TBG. PRESSURE TEST @ 1000 PSI. STROKE TEST PUMP W/ RIG (5 STROKES) TO 1000 PSI. PUMP 10 BBLS DIESEL DWN SIDE STRG. RIG DOWN. SLIDE ROTAFLEX. HANG RODS 14" OFF TAG.
 -5:00PM PUT ON PRODUCTION.
 1/2 HR CREW TRAVEL
 18 HR PRODUCTION - 63 BO, 61 BW, 57 MCF

(FRIDAY. ROAD RIG TO GALAWAY RIG UP FISH RODS) - 24

Report # 28				
Report Start Date 7/1/2011 06:00	Report End Date 7/2/2011 06:00	Daily Cost 0	Cum Cost To Date 489,062	Depth End (ftKB) 0.0

Time Log Summary
 64 BOPD, 61 BWPD, 30MCFPD - 24

Report # 29				
Report Start Date 7/2/2011 06:00	Report End Date 7/3/2011 06:00	Daily Cost 0	Cum Cost To Date 489,062	Depth End (ftKB) 0.0

Time Log Summary
 130BOPD, 207BWPD, 75MCFPD - 24

Report # 30				
Report Start Date 7/3/2011 06:00	Report End Date 7/4/2011 06:00	Daily Cost 0	Cum Cost To Date 489,062	Depth End (ftKB) 0.0

Time Log Summary
 140 BOPD, 201BWPD, 76MCFPD - 24

Report # 31				
Report Start Date 7/4/2011 06:00	Report End Date 7/5/2011 06:00	Daily Cost 0	Cum Cost To Date 489,062	Depth End (ftKB) 0.0

Time Log Summary
 97BOPD, 122BWPD, 76MCFPD - 24


BBA CORNABY 2-14A2
OH - Property #: 063077-002
WEST UNRESTRICTED**Well Chronology**

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Project Group UINTA	State/Province UT			
Surface Legal Location 14-1-S 2-W-6	API/UWI 4301331299	Latitude (DMS) 40° 23' 59.25" N	Longitude (DMS) 110° 4' 10.59" E	Ground Elev ... 5,684.00	KB - GL (ft) 22.00	Orig KB Elev (ft) 5,706.00	TH Elev (ft) 5,684.00

Report # 32

Report Start Date 7/5/2011 06:00	Report End Date 7/6/2011 06:00	Daily Cost 76,272	Cum Cost To Date 565,334	Depth End (ftKB) 0.0
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Time Log Summary

93 - BOPD, 160 - BWP, 76 - MCFD

24 HOUR PRODUCTION

07-05-2011 / 105 - BOPD, 90 - BWP, 96 - MCFD - 24

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Devon Energy Corporation Operator Account Number: N 1275
 Address: P O. BOX 290
city Neola
state UT zip 84053 Phone Number: (435) 353-5780

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301331299	CORNABY 2-14A2		NENE	14	1S	2W	DUCHESNE
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
E	11228	11228				6/30/2011	
Comments: Recompletion to Lower Green River perforations 9,810 - 10,852' — 8/3/11 <i>GRRVH = GR-WS per spacing order</i>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Deanna Bell

Name (Please Print)

Signature

Senior Field Technician

Title

7/27/2011

Date

RECEIVED

JUL 27 2011

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
 Operator Change/Name Change Worksheet-for State use only

Effective Date: 11/3/2014

FORMER OPERATOR:	NEW OPERATOR:
Devon Energy Production Company, LP N1275 333 West Sheridan Avenue Oklahoma City, OK 73102-5015	EP Energy E&P Company, LP N3850 1001 Louisiana Street Houston, TX 77002 713-997-5038
CA Number(s):	Unit(s):

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
MIKE AND SHELLEY #4-14A2	14	010S	020W	4301351846		Fee	Fee	OW	APD
BOREN 3-11A2	11	010S	020W	4301331192	10785	Fee	Fee	OW	P
CORNABY 2-14A2	14	010S	020W	4301331299	11228	Fee	Fee	OW	P
FLY/DIA L BOREN 1-14A2	14	010S	020W	4301330035	5885	Fee	Fee	OW	S

OPERATOR CHANGES DOCUMENTATION:

- Sundry or legal documentation was received from the **FORMER** operator on: 11/12/2014
- Sundry or legal documentation was received from the **NEW** operator on: 11/12/2014
- New operator Division of Corporations Business Number: 2114377-0181

REVIEW:

- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 11/12/2014
- Receipt of Acceptance of Drilling Procedures for APD/New on: 12/18/2014
- Reports current for Production/Disposition & Sundries: 1/16/2015
- OPS/SI/TA well(s) reviewed for full cost bonding: 1/14/2015
- UIC5 on all disposal/injection/storage well(s) approved on: N/A
- Surface Facility(s) included in operator change: N/A
- Inspections of PA state/fee well sites complete on (only upon operators request): N/A

NEW OPERATOR BOND VERIFICATION:

- Federal well(s) covered by Bond Number: N/A
- Indian well(s) covered by Bond Number: N/A
- State/fee well(s) covered by Bond Number(s): 400JU0708

DATA ENTRY:

- Well(s) update in the **OGIS** on: 1/20/2015
- Entity Number(s) updated in **OGIS** on: 1/20/2015
- Unit(s) operator number update in **OGIS** on: N/A
- Surface Facilities update in **OGIS** on: N/A
- State/Fee well(s) attached to bond(s) in **RBDMS** on: 1/20/2015
- Surface Facilities update in **RBDMS** on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/20/2015

COMMENTS:

Per review by Dustin Doucet, FLY/DIA Boren 1-14A2 must be producing by 4/1/2015, or full cost bonding will be required.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
See Attached Well List

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
See Attached Well List

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:
Bluebell/Altamont

1. TYPE OF WELL
OIL WELL GAS WELL OTHER See Attached Well List

2. NAME OF OPERATOR:
EP Energy E&P Company, L.P

3. ADDRESS OF OPERATOR:
1001 Louisiana Street CITY **Houston** STATE **TX** ZIP **77002** PHONE NUMBER: **(713) 997-5038**

4. LOCATION OF WELL
FOOTAGES AT SURFACE: COUNTY: **Duchesne/Uintah**
QTR/CTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>CHANGE OF OPERATOR</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Effective 11/03/2014, Change of Operator from Devon Energy Production Company, LP, to EP Energy E&P Company, LP, is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under their Blanket Well Surety Bond #400JU0708.

Attached is a list of wells that are associated with this Change of Operator.

Devon Energy Production Company, LP
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015


John D. Reines
Vice President

NAME (PLEASE PRINT) Clay A. Carrell TITLE Executive Vice President
SIGNATURE  DATE 11/10/14

(This space for State use)
APPROVED
JAN 20 2015

(5/2000) DIV. OIL GAS & MINING
BY: Rachael Medina

(See Instructions on Reverse Side)

RECEIVED
NOV 12 2014
Div. of Oil, Gas & Mining

Devon Energy Production Company, LP
Existing Well List for Fee Leases

Well Name	API #	Legal Location	Producing Status	Well Type	Lease Type	Field	State	County
BOREN 3-11A2	430133119200	011-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CORNABY 2-14A2 (RECOMP)	430133129900	014-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 1-14A2	430133003500	014-001S-002W	Shut-in	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE