

LAW OFFICES

PRUITT, GUSHEE & BACHTELL

SUITE 1850 BENEFICIAL LIFE TOWER
SALT LAKE CITY, UTAH 84111-1495
(801) 531-8446

TELECOPIER (801) 531-8468

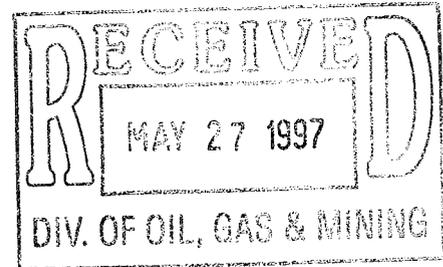
ROBERT G. PRUITT, JR.
OLIVER W. GUSHEE, JR.
THOMAS W. BACHTELL
A. JOHN DAVIS, III
JOHN W. ANDERSON
FREDERICK M. MACDONALD
JOHN F. WALDO
ANGELA L. FRANKLIN
JOHN S. FLITTON

OF COUNSEL

ROBERT G. PRUITT, III
BRENT A. BOHMAN

May 27, 1997

Division of Oil, Gas & Mining
State of Utah
1594 West North Temple, #1210
Salt Lake City, Utah 84114-5801



Attention: Mr. John Baza, Petroleum Engineer

RE: Petroglyph Operating Company, Inc. -
Application for Exception Location, Ute Tribal
#15-12 Well, NW ¼ SW ¼, Section 15: T4S,
R4W, USM, Duchesne County, Utah

Dear Mr. Baza:

Pursuant to Rule R649-3-3 of the Utah Administrative Code, Petroglyph Operating Company, Inc. ("Petroglyph"), by and through its undersigned counsel, requests an exception to the location of the above referenced well in the Duchesne Field, Duchesne County, Utah. This oil and gas well is to be located in an area subject to State-wide spacing under Rule R649-3-2, Utah Administrative Code. The proposed location for the subject well has been staked 2,460 feet FSL and 660 feet FWL in subject Section 15. True and correct copies of the location plat and topographic maps are attached as Attachment 1. Petroglyph is requesting this exception location due to the presence of a steep gully within the NW ¼ SW ¼ of subject Section 15 which precludes location of the well within the 400 foot square "window" set forth in Rule R649-3-2.

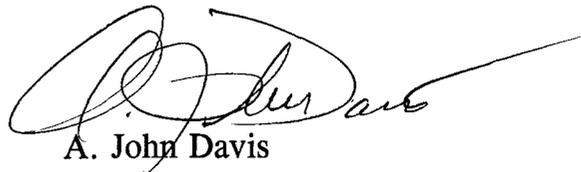
Petroglyph owns 100% of the oil and gas leasehold working interest in the adjacent SW ¼ NW ¼ under certain Ute Tribal oil and gas leases and is, accordingly, the "owner" within the meaning of Rule 649-3-3.1.2. and 3.4. in the only adjoining 40 acre drilling unit within a 460 foot radius of the subject exception location. In the subject NW ¼ SW ¼, Petroglyph owns 92.8% of the oil and gas leasehold working interest. The remaining mineral interest fraction is unleased. Of the unleased mineral owners, all but 12, representing 4.43% of the mineral ownership have consented to the exception location. This small percentage of unleased mineral owners are either still considering

Division of Oil, Gas & Mining
Attention: Mr. John Baza
May 27, 1997
Page 2

Petroglyph's lease offer or have chosen not to lease. These owners will not be adversely affected by the drilling of this well at the requested exception location as they will participate in the production from the well under a joint operating agreement, through forced pooling, or as royalty owners under a lease signed in the near future. Attachment 2 lists all owners within a 460 foot radius of the proposed well location.

Accordingly, Petroglyph respectfully requests approval of an exception location for the subject well for the reasons that this is the best location within the NW $\frac{1}{4}$ SW $\frac{1}{4}$ of subject Section 15 and all owners within a 460 foot radius of the proposed well have either consented to this location or will share in the production from the well.

Very truly yours,



A. John Davis

AJD:jw
Attachments

cc: Ken Smith/Petroglyph

c:\1774\10\corr\div-oil.ltr

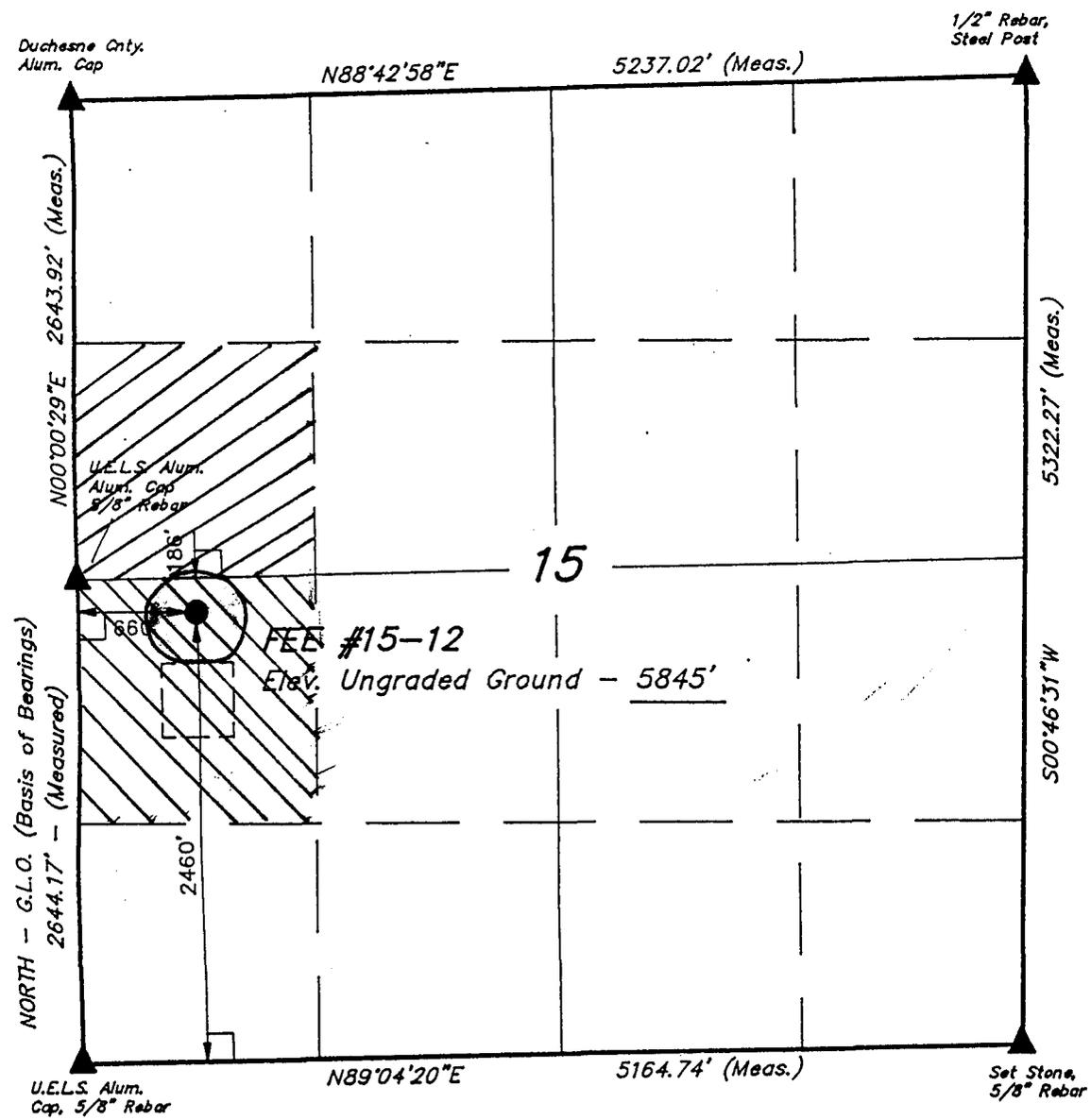
-  Petroglyph Gas Partners L.P. — 100%
-  Petroglyph Gas Partners L.P. — 92.8%

ATTACHMENT "1"

PETROGLYPH OPERATING CO., INC.

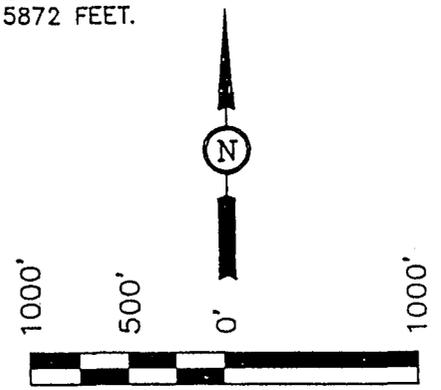
T4S, R4W, U.S.B.&M.

Well Location, FEE #15-12, located as shown in NW 1/4 SW 1/4 of Section 15, T4S; R4W, U.S.B.&M. Duchesne County, Utah.



BASIS OF ELEVATION

BENCH MARK M62 (1934) LOCATED NEAR A ROAD INTERSECTION IN THE SE 1/4 OF SECTION 17, T4S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE NE, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5872 FEET.



SCALE

CERTIFICATE

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

ROBERT I. KAY
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 1319
 STATE OF UTAH

Revised: 5-16-97 C.B.T.
 Revised: 5-21-97 C.B.T.
 Revised: 5-22-97 C.B.T.

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

LEGEND:

-  = 90° SYMBOL
-  = PROPOSED WELL HEAD.
-  = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 5-8-97	DATE DRAWN: 5-9-97
PARTY D.L.K. H.L. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PETROGLYPH OPERATING CO., INC.	

ATTACHMENT 2

A. Ownership within the Fee #15-12 Well drillsite unit (NW¹/₄SW¹/₄):

<u>Working Interest Owner:</u>	<u>Interest:</u>
Petroglyph Gas Partners, LP	92.812320%
<u>Unleased Mineral Owners:</u>	
Plains Petroleum Operating Company 12596 West Bayard, Suite 400 P.O. Box 281306 Lakewood, CO 80228	1.015804%
First Security Bank of Utah, N.A., as Trustee of the Trust for Ned G. Coltharp Ogden Branch 2404 Washington Blvd. Ogden, UT 84401	0.625000%
Fawn B. Coltharp Salt Lake City, UT	0.625000%
Mary Catherine C. Brinkerhoff No address of record	0.208333%
Frances Ann C. Loos No address of record	0.208333%
Patricia Jane Gilson No address of record	0.208333%
Sandra J. Beckstead 2410 East Foxhunt Drive Salt Lake City, UT 84092	0.195313%
Gregory W. Beckstead 2624 Shaywen Circle Snellsville, GA 30245	0.195313%

Larry L. Beckstead 3717 West 3800 South West Valley City, UT 84120	0.195313%
Randon P. Beckstead 9232 S. Woodthrush Drive Sandy, UT 84093	0.195313%
Convest Energy Corporation 2401 Fountain View Drive, Suite 700 Houston, TX 77057-4862	0.471863%
Coastal Oil & Gas, USA, L.P. 9 Greenway Plaza Houston, TX 77046	2.758117%
Forcenergy Gas Exploration, Inc. 2730 S.W. Third Avenue, Suite 800 Miami, FL 33129-2237	0.285645%

Total	100.000000%

B. Owners outside of drilling unit but within 460 feet of the Fee #15-12 Well (SW¹/₄NW¹/₄):

<u>Working Interest Owner:</u>	<u>Interest:</u>
Petroglyph Gas Partners, LP	100.000000%

Unleased Owners:

None

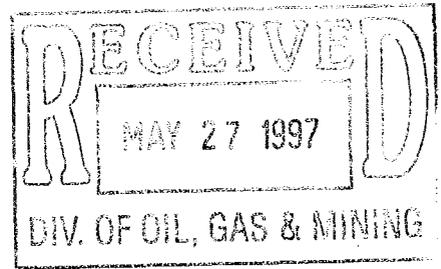
**UTAH DIVISION OF OIL, GAS AND MINING
OIL AND GAS WELL INSPECTION RECORD**

Operator: PETROGLYPH OPERATING CO Lease Number: FEE
 Well Name: FEE #15-12D4 API Number: 43-013-31887
 Sec: 15 Twp: 4S Rng: 4W County: DUCHESNE Field: DUCHESNE FIELD
 Well Status: POW

GENERAL		Inspected (✓)
1. Well Identification		X
2. Well Equipment		X
3. Environmental Protection		X
4. Temporary/Emergency Pits		X
5. Spills, Discharges, Seepage		X
Remarks: (NEW COMPLETION) RESERVE PIT IS CLOSED. PUMP JACK WITH GAS MOTOR--NOT RUNNING ON VISIT. NO GAS SALES METER BUT HAS PLASTIC SALES LINE, AND DUMPS INTO FIELD GATHERING		
OIL PRODUCTION		Inspected (✓)
1. Method of Measurement: Tank Gauge <input checked="" type="checkbox"/> LACT Unit <input type="checkbox"/> Other		X
2. Storage Facilities		X
3. Lines Leaving Storage Facilities Sealed/Locked		X
4. Oil Handling/Treatment Equipment		X
Remarks: 2-400 BARREL OIL TANKS, 1-150 WATER TANK, 1 TREATERS, 1 TRACE PUMP,		
GAS PRODUCTION		Inspected (✓)
1. Type of Gas Production: Gas Well <input type="checkbox"/> Casinghead <input checked="" type="checkbox"/>		X
2. Gas Disposition: Sold <input checked="" type="checkbox"/> Flared/Vented <input type="checkbox"/> Used on Lease <input type="checkbox"/> Other <input checked="" type="checkbox"/>		X
3. Method of Measurement: Orifice Meter <input type="checkbox"/> Turbine Meter <input type="checkbox"/> Estimated <input type="checkbox"/> Other <input checked="" type="checkbox"/>		X
4. Gas Handling/Treatment Equipment		X
Remarks: NO SALES METER OR PROPANE ON LOCATION. HOWEVER, LEASE HAS SOLD AND USED FIELD GAS WITHOUT BEING METERED OR RECORDED.		
PRODUCED WATER DISPOSAL		Inspected (✓)
1. Disposal Method: Unlined Pit <input type="checkbox"/> Lined Pit <input type="checkbox"/> Subsurface <input type="checkbox"/> Other <input checked="" type="checkbox"/>		X
2. If Disposal by Pits, Are Pits Satisfactory? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		X
3. Other E & P Waste Disposal		X
Remarks: TO TANKS AND TRUCKED TO DISPOSAL WELL.		

Inspector: DENNIS L. INGRAM Date: 10/6/97

AFFIDAVIT OF VINCE GUINN



STATE OF UTAH)
)
) :ss
COUNTY OF *Duchesne*)

VINCE GUINN, being first duly sworn, states as follows:

1. I am the Utah Operations Supervisor for Petroglyph Operating Company, Inc. ("Petroglyph"), business address, P.O. Box 607, Roosevelt, Utah 84066.
2. In my position as Utah Operations Supervisor, I have personal knowledge of the facts stated herein.
3. Concurrent with the submission of the Affidavit to the Utah Division of Oil, Gas & Mining, Petroglyph is submitting an Application for Permit to Drill ("APD") for the Fee #15-12 Oil and Gas Well to be located in the NW¼SW¼, Section 15, T4S, R4W, USB&M, Duchesne County, Utah.
4. This well is to be drilled on 'split fee estate' lands, that is lands in which the surface estate and mineral estate are owned by different persons. Pursuant to Rule R649-3-34, Utah Administrative Code, Petroglyph has obtained a Surface Use and Right-of-Way Agreement dated May 13, 1997, from Phillip Moon, Ltd., a Utah Limited Partnership, Clinton L. Moon, and Allen D. Moon.
5. Based upon the title documentation prepared for Petroglyph by its title attorneys, the foregoing entity and individuals are all of the owners of the surface estate included within the well site and access road.

DATED this 23 day of May, 1997.

Vince Guinn

Vince Guinn

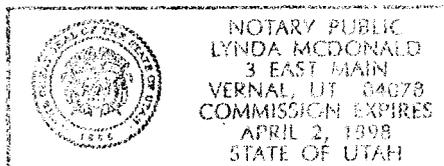
On this 23 day of May, 1997, personally appeared before me Vince Guinn, who duly acknowledged to me that the foregoing information is true and correct to the best of my knowledge and belief.

Lynda McDonald

Notary Public
Residing at:

My Commission Expires:

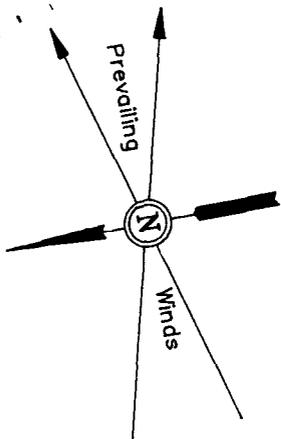
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PETROGLYPH OPERATING CO., INC.

LOCATION LAYOUT FOR

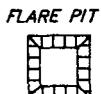
FEE #15-12
SECTION 15, T4S, R4W, U.S.B.&M.
2460' FSL 660' FWL



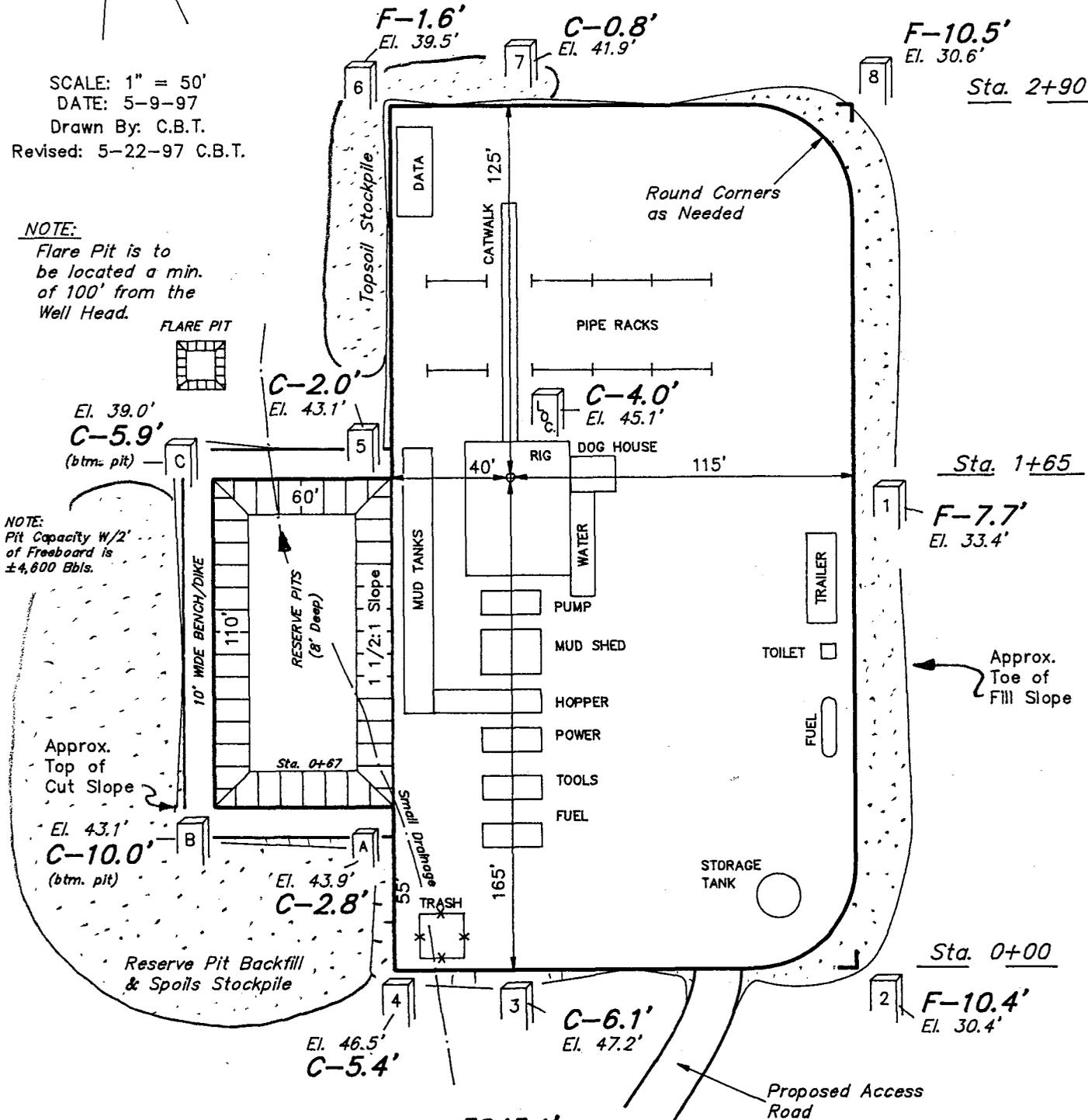
SCALE: 1" = 50'
DATE: 5-9-97
Drawn By: C.B.T.
Revised: 5-22-97 C.B.T.

NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.



NOTE:
Pit Capacity W/2' of Freeboard is ±4,600 Bbls.



Elev. Ungraded Ground at Location Stake = 5845.1'

Elev. Graded Ground at Location Stake = 5841.1'

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85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

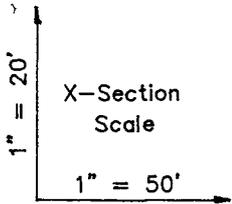
PETROGLYPH OPERATING CO., INC.

TYPICAL CROSS SECTIONS FOR

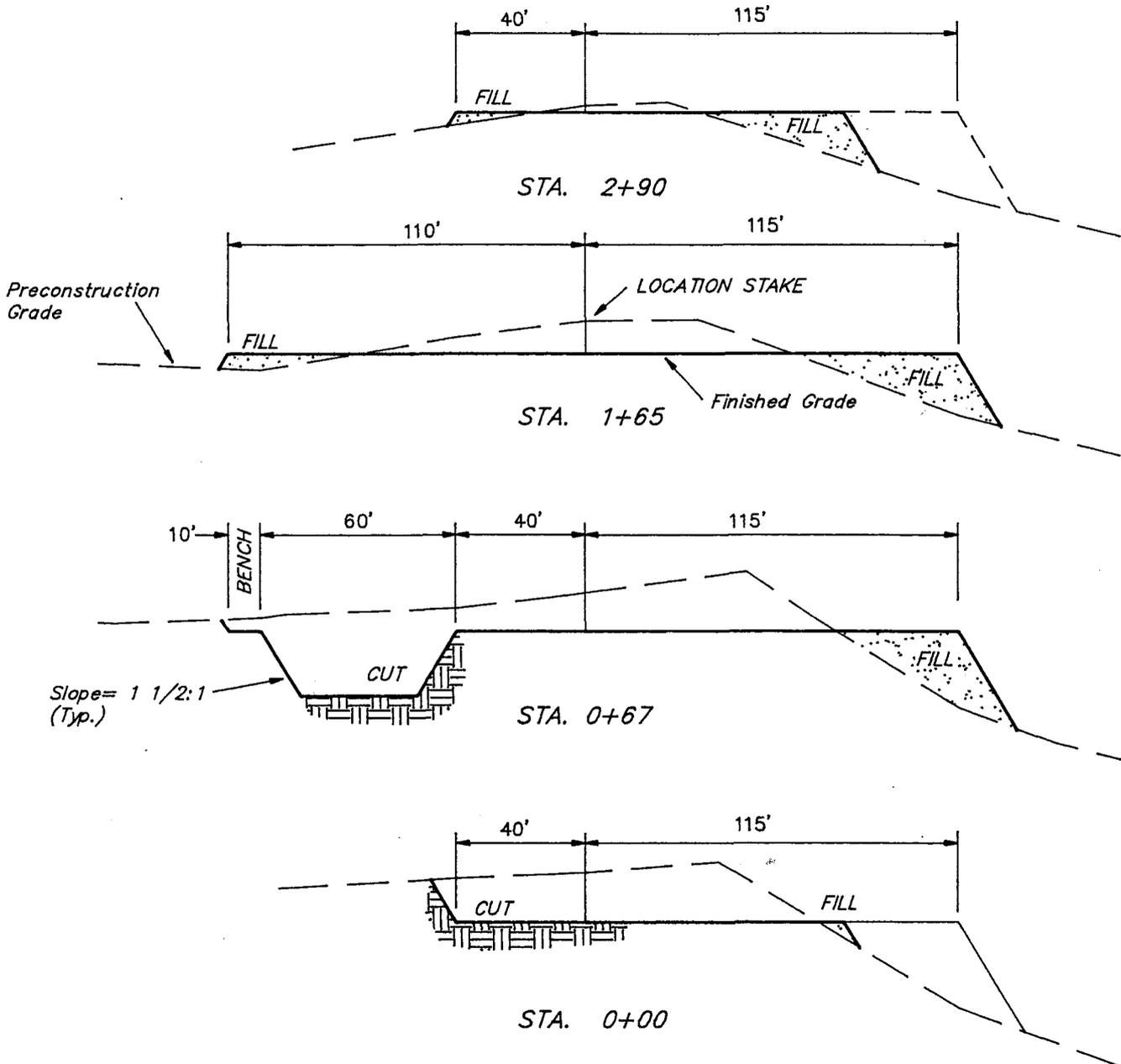
FEE #15-12

SECTION 15, T4S, R4W, U.S.B.&M.

2460' FSL 660' FWL



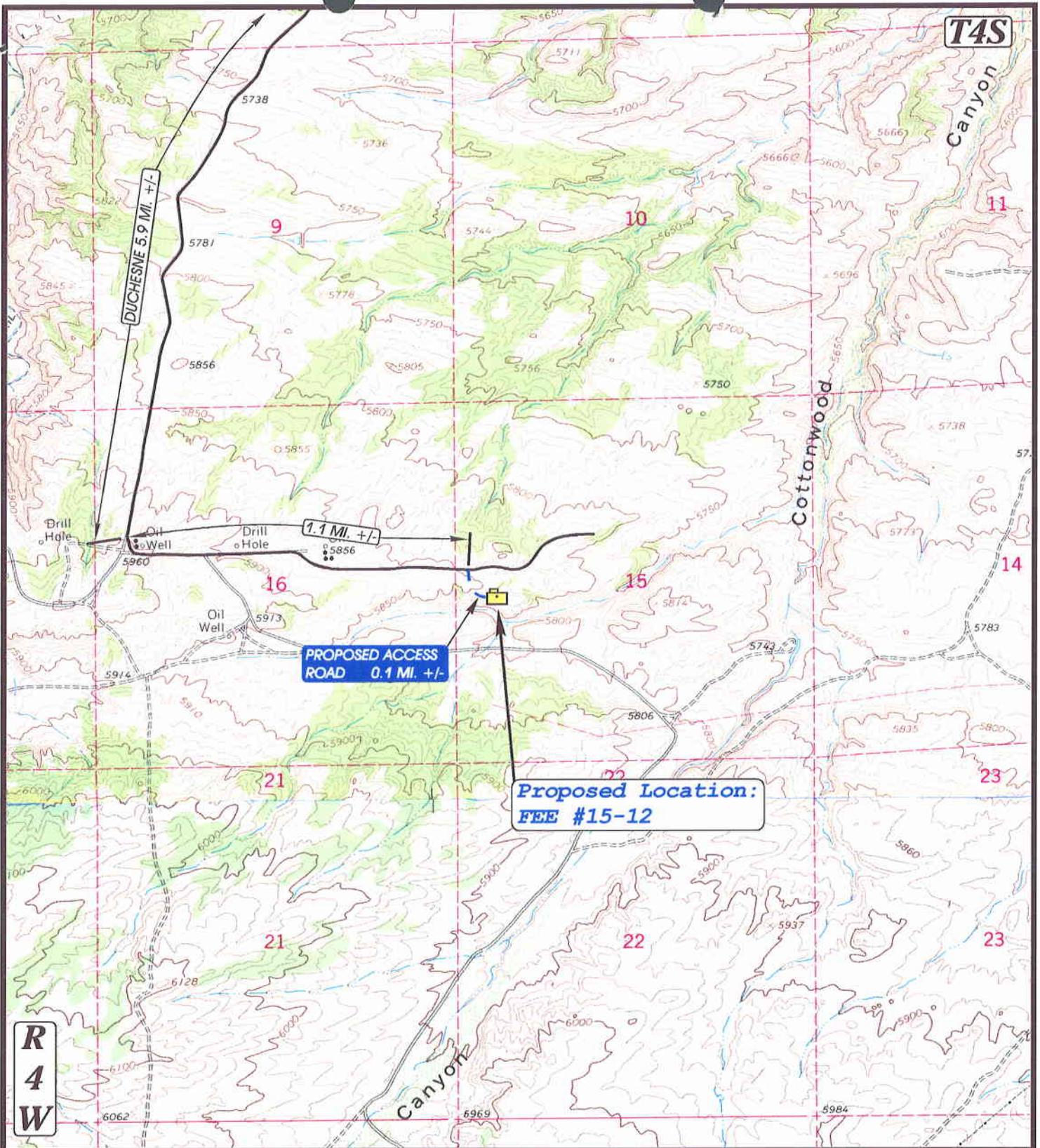
DATE: 5-9-97
Drawn By: C.B.T.
Revised: 5-22-97 C.B.T.



APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	960 Cu. Yds.
Remaining Location	=	4,950 Cu. Yds.
TOTAL CUT	=	5,910 CU.YDS.
FILL	=	4,040 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	1,660 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	1,660 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.



**R
4
W**

**U
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S**

**TOPOGRAPHIC
MAP "B"**

DATE: 5-9-97
Drawn by: D.COX

REVISED: 5-22-97 D.COX

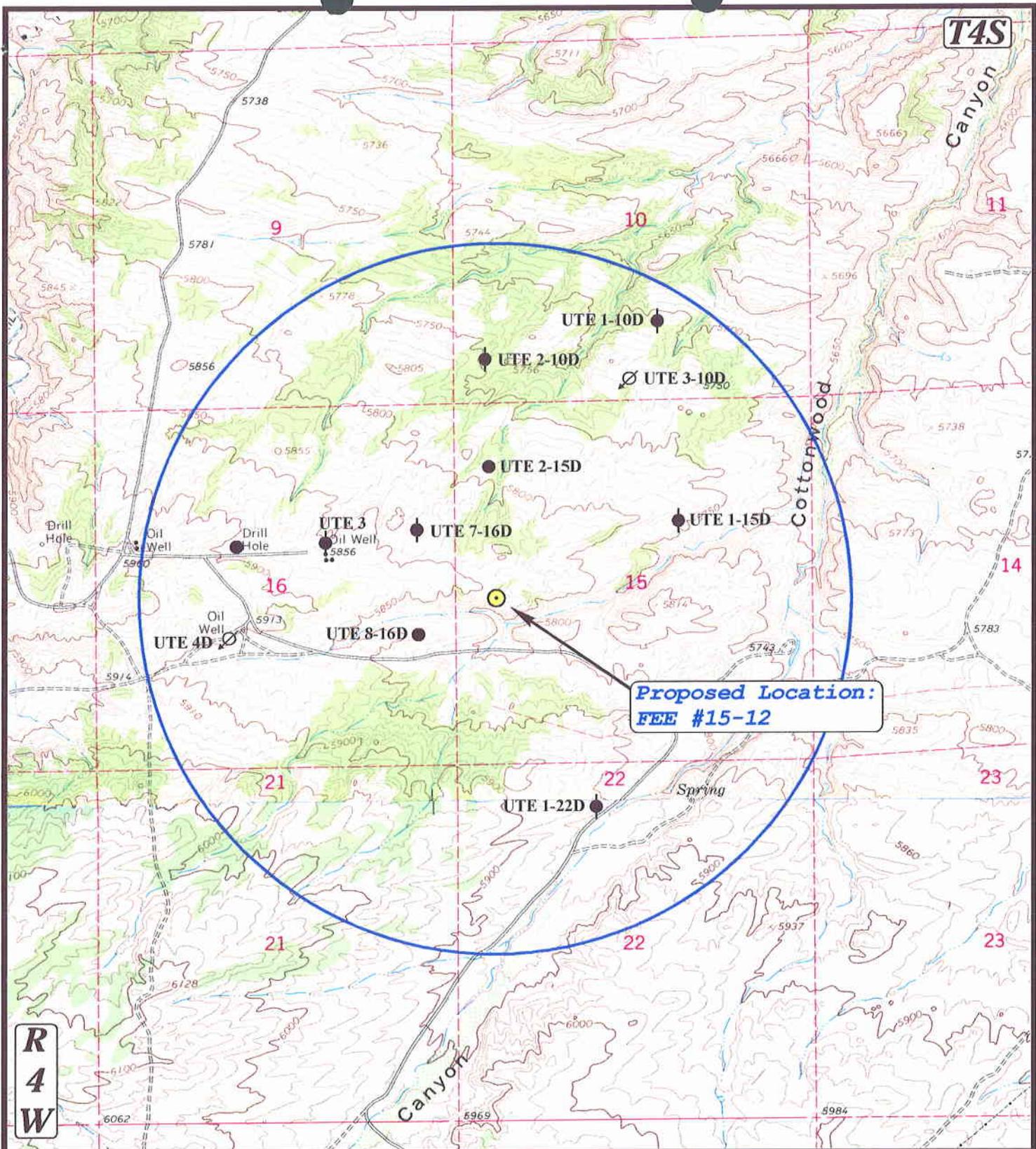
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PETROGLYPH OPERATING CO., INC.

**FEE #15-12
SECTION 15, T4S, R4W, U.S.B.&M.
2460' FSL 660' FWL**

SCALE: 1" = 2000'



**Proposed Location:
FEE #15-12**

**R
4
W**

LEGEND:

UTEs

- Water Wells
- Abandoned Wells
- Temporarily Abandoned Wells
- Disposal Wells
- Drilling Wells
- Producing Wells
- Shut-in Wells



PETROGLYPH OPERATING CO., INC.

FEE #15-12

SECTION 15, T4S, R4W, U.S.B.&M.

TOPOGRAPHIC MAP "C"

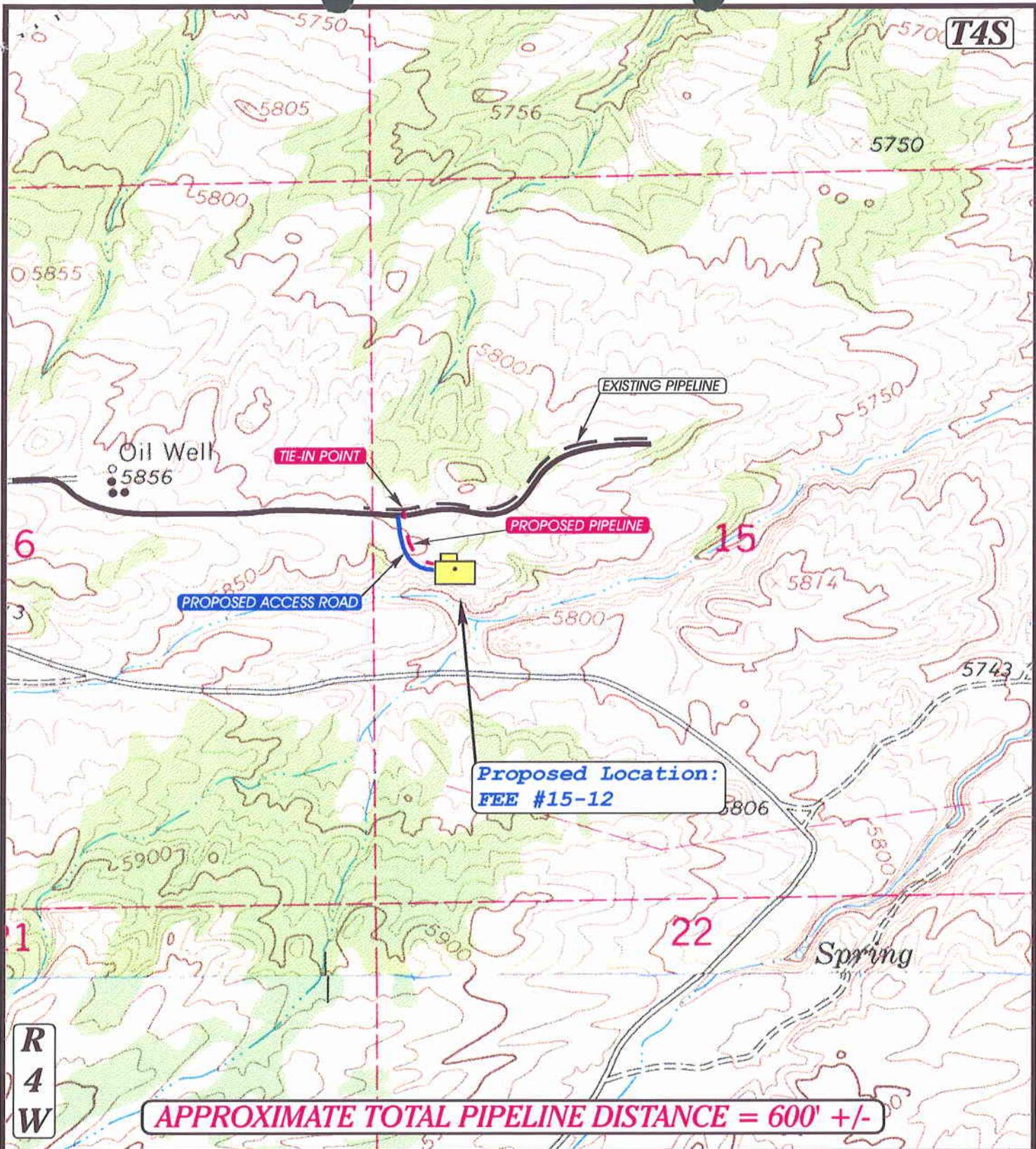
DATE: 5-9-97

Drawn by: D.COX

REVISED: 5-22-97 D.COX

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85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

SCALE: 1" = 2000'



**U
E
L
S**

**TOPOGRAPHIC
MAP "D"**

- — — Existing Pipeline
- - - Proposed Pipeline



PETROGLYPH OPERATING CO., INC.

FEE #15-12
SECTION 15, T4S, R4W, U.S.B.&M.
 DATE: 5-9-97

Drawn by: D.COX
 REVISED: 5-22-97 D.COX

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN

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

2. NAME OF OPERATOR
 PETROGLYPH OPERATING COMPANY INC.

3. ADDRESS AND TELEPHONE NO.
 P.O. BOX 607, ROOSEVELT, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface: 2460' FSL & 660' FWL NW/4 SW/4
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 7.1 MILES SOUTHEAST OF DUCHESNE, UTAH

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3480'

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5841.1' GRADED GROUND

22. APPROX. DATE WORK WILL START*
 JUNE 1997

5. LEASE DESIGNATION AND SERIAL NO.
 FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

9. API WELL NO.
 FEE #15-12 D4

10. FIELD AND POOL, OR WILDCAT
 DUCHESNE

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SEC. 15, T4S, R4W

12. COUNTY OR PARISH
 DUCHESNE

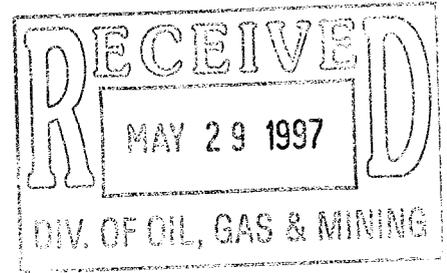
13. STATE
 UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	K-55 13 3/8"	54.5#	60'	70 sx class "G" + 2% CaCl ₂ + 1/4 #/sx celloflake. 50/50 POZMIX + 2% GELL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+ 10% EXCESS). LIGHT CMT (11 PPG +) + LCM TO SURFACE. (+ 5% EXCESS).
12 1/4"	J-55 8 5/8"	24.0#	2250'	

PETROGLYPH OPERATING COMPANY INC. WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND #BO 4556.

p.c.: UTAH DIVISION OF OIL, GAS AND MINING
 BUREAU OF LAND MANAGEMENT, VERNAL, UT



CONFIDENTIAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 AGENT DATE 5-27-1997

(This space for Federal or State office use)

PERMIT NO. 43-013-31887 APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY:

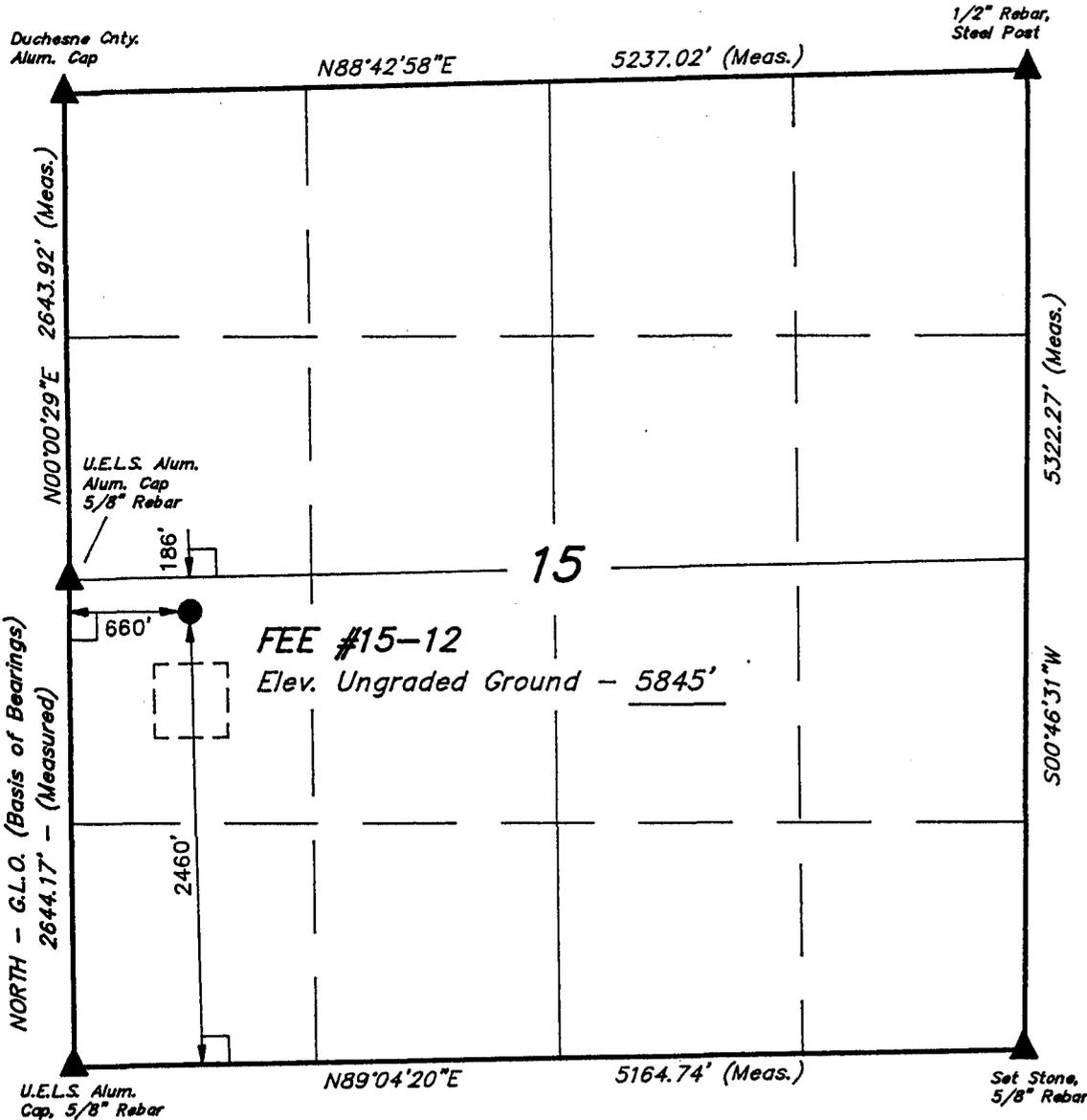
APPROVED BY [Signature] TITLE Petroleum Engineer DATE 6/6/97

*See Instructions On Reverse Side

T4S, R4W, U.S.B.&M.

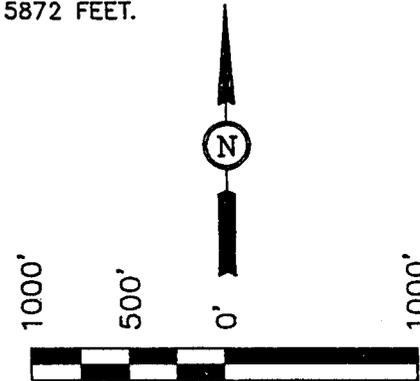
PETROGLYPH OPERATING CO., INC.

Well Location, FEE #15-12, located as shown in NW 1/4 SW 1/4 of Section 15, T4S, R4W, U.S.B.&M. Duchesne County, Utah.



BASIS OF ELEVATION

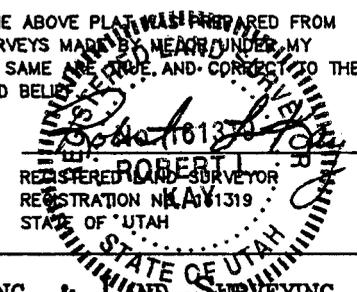
BENCH MARK M62 (1934) LOCATED NEAR A ROAD INTERSECTION IN THE SE 1/4 OF SECTION 17, T4S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE NE, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5872 FEET.



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Revised: 5-16-97 C.B.T.
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 Revised: 5-22-97 C.B.T.

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

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 5-8-97	DATE DRAWN: 5-9-97
PARTY D.L.K. H.L. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PETROGLYPH OPERATING CO., INC.	

EIGHT POINT PLAN

FEE 15-12
NW/SW SEC. 15, T4S R4W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	3351	2500
Trona	3179	2672
Saline Formation	1941	3910
Total Depth	3480	2370
Anticipated BHP	1450 psi	

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS FORMATIONS:
N/A

3. PRESSURE CONTROL EQUIPMENT : BOP Schematic Diagram attached.

4. CASING PROGRAM :

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>MINIMUM SAFETY FACTOR</u>		
						<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
17"	0' - 60'	60'	13 3/8	54.5#	K-55	1130 PSI	2730 PSI	853,000#
12 1/4"	60' - 2250'	2250'	8 5/8	24.0#	J-55	1370 PSI	2950 PSI	263,000#

All casing will be new or inspected.

5. MUD PROGRAM

<u>INTERVAL</u>	<u>MUD TYPE</u>
0' - 60'	Air
60' - TD	Air/Mist & Aerated Water

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

EIGHT POINT PLAN
FEE 15-12
NW/SW SEC. 15, T4S R4W
DUCHESNE COUNTY, UTAH

6. VARIANCE REQUESTS:

- A. Petroglyph Operating Co., Inc. requests a variance to regulations requiring a straight run blooie line.
- B. Petroglyph Operating Co., Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

7. EVALUATION PROGRAM:

Logs: Mud Logging	T.D. to base of surface csg.
Compensated Density-Compensated Neutron Log	T.D. to base of surface csg.
Dual Induction Log	T.D. to base of surface csg.
Numar (Magnetic Resonance Imaging Log)	@ Geologists discretion

Cores: None Programmed
DST: None Programmed

Completion: To be submitted at a later date.

8. ABNORMAL CONDITIONS:

None anticipated.

9. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

10. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

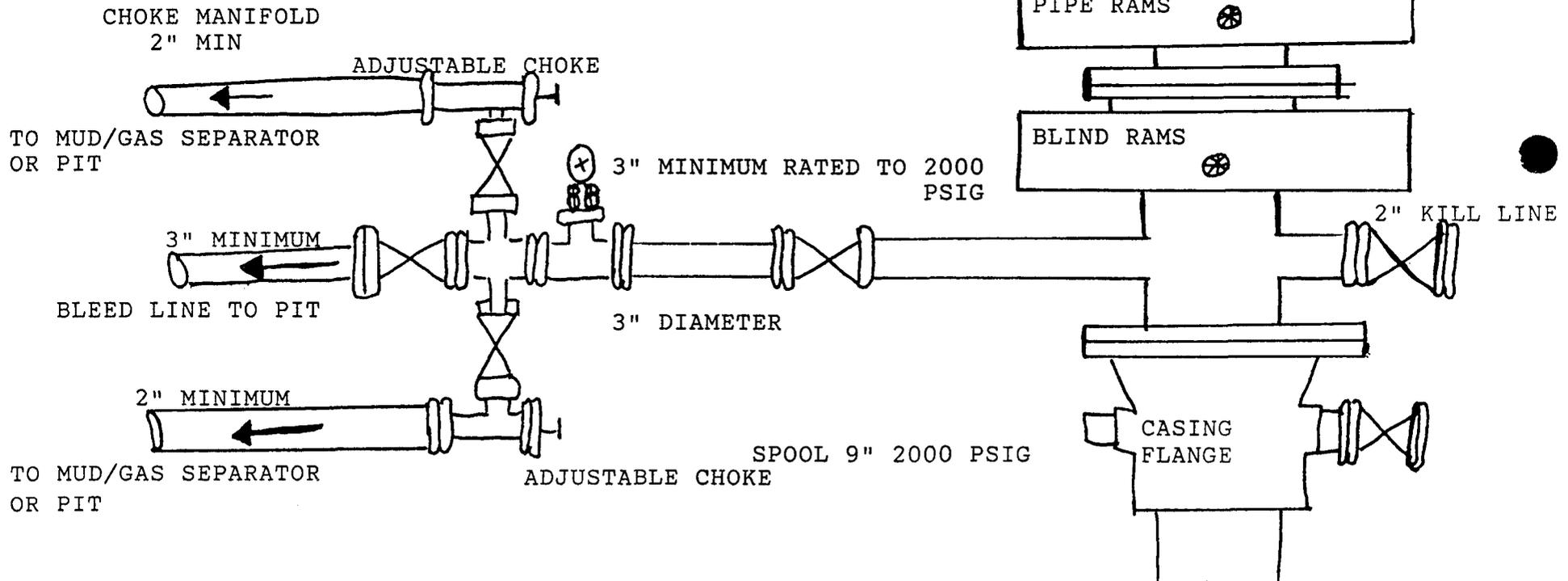
(Attachment: BOP Schematic Diagram)

2000 PSIG DIAGRAM

BOTH RAMS ARE 2000 PSIG RATED.
CASING FLANGE IS 9" 2000 PSIG RATED.
BOPE 9" 2000 PSIG

TESTING PROCEDURE:

1. BOPE 's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind rams will be tested to rated working pressure, 2000 psig
3. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
4. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 2000 psig BOPE specifications.



PETROGLYPH OPERATING CO., INC.

FEE #15-12

SECTION 15, T4S, R4W, U.S.B.&M.

PROCEED IN A EASTERLY DIRECTION FROM DUCHESNE, UTAH ALONG HIGHWAY 40 APPROXIMATELY 3.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN A EASTERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Co., Inc.
Well Name & Number: Fee 15-12
Lease Number: Fee
Location: 2460' FSL & 660' FWL NW/SW, Sec. 15, T4S R4W
U.S.B.&M., Duchesne County, Utah
Surface Ownership: Fee

NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice - at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.

BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.

First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice To Drill and Surface Use Program.

THIRTEEN POINT SURFACE USE PROGRAM

1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 7.1 miles southeast of Duchesne, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

2. PLANNED ACCESS ROAD

- A. The access road will be approximately 0.1 miles in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 8%
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the

roadbed as necessary to provide a well-constructed safe road.

Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of- Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Petroglyph Operating Co., Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION

- A. Water wells - None
- B. Abandoned wells - None
- C. Temporarily abandoned wells - None.
- D. Disposal wells - None.
- E. Drilling wells - None.
- F. Producing wells - 3*
- G. Shut in wells - 6*
- H. Injection wells - 1*

(*See attached TOPO map "C" for location)

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. ON WELL PAD

- 1. Tank batteries - None
- 2. Production facilities-To be submitted later
- 3. Oil gathering lines - None

4. Gas gathering lines-None
5. Injection lines - None
6. Disposal lines - None
7. Surface pits - None

B. OFF WELL PAD

1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. A 4 1/2" OD steel above ground production pipeline will be laid approximately 600' from proposed location to a point in the SW/NW of Section 15, T4S, R4W, where it will tie into Petroglyph Operating Co., Inc.'s existing pipeline.
See attached TOPO Map D showing pipeline route.
3. Proposed pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the South side of the location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities required will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is Desert Brown.

5. LOCATION & TYPE OF WATER SUPPLY

- A. Water supply will be from Target Trucking's Roosevelt Brine Storage and/or Target's water source in SE 1/4, Sec. 1, T 4S, R 5W Duchesne County, Utah (State water right #43-10152). All water will come from a non-depletable source.
- B. Water will be hauled by Target Trucking.
- C. No water well will be drilled on lease.

6. SOURCE OF CONSTRUCTION MATERIAL

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of location.
- B. All construction material will come from State Land.
- C. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL

A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at an approved waste disposal facility.
- 4. Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, together with the required water analysis, will be submitted for the AO's approval.
- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on drilling

rig to avoid leakage of oil to pit.

- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to reserve pit will be avoided by flaring them off in flare pit at time of recovery.

Burning of trash will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On State of Utah administered land:

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit).

A 12 mill liner shall be installed in the reserve pit.

To protect the environment:

If the reserve pit is lined the operator will provide the state of Utah with a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements described by part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

___ To protect the environment (without a chemical analysis) reserve pits will be constructed so as not to leak, break, or allow discharge of liquids.

___ Storage tanks will be used if drill sites are located on tribal irrigable land, flood plains, or on lands under crop production. After first production, produced waste water will be confined to a

lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

8. ANCILLARY FACILITIES

A. No airstrips or camps are planned for this well.

9. WELL SITE LAYOUT

- A. Refer to attached well site plat for related topography cuts and fills & cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation parking areas, and access road.

The reserve pit will be located on the North side of the location.
The flare pit will be located downwind of the prevailing wind direction on the North side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.
The stockpiled topsoil will be stored on the Northeast corner.

Access to the well pad will be from the Northwest.

N/A Diversion ditch(es) shall be constructed on the _____ side of the location (above/below) the cut slope, draining to the _____

N/A Soil compacted earthen berm(s) shall be placed on the _____ side(s) of the location between the _____

N/A The drainage(s) shall be diverted around the sides of the well pad location.

N/A The reserve pit and/or pad locations shall be constructed long and narrow for topographic reasons _____

X Corners No. 2 & 8 will be rounded off to minimize excavation.

FENCING REQUIREMENTS

All pits will be fenced according to the following minimum standards:

- A. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16'.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to STATE OF UTAH or SMA specifications.

A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguards (shall/ shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on State land, or any fence between State land and private land, the operator will contact the STATE OF UTAH, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

10. PLANS FOR RESTORATION OF SURFACE

A. PRODUCING LOCATION

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion (weather permitting). Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

B. DRY HOLE/ABANDONED LOCATION

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

ON STATE OF UTAH Administered lands:

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and, (c) ensuring revegetation of the disturbed areas to the specifications of the State of Utah at the time of abandonment.

11. SURFACE OWNERSHIP

Access road: Fee
Location: Fee

12. OTHER INFORMATION

A. Petroglyph Operating Co., Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:
-whether the materials appear eligible for the National Register of historic Places;

the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

B. As operator, Petroglyph Operating Co., Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the State of Utah, or the appropriate County Extension Office. On State of Utah administered land,

a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State of Utah authorization. However, if State of Utah authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

On STATE OF UTAH administered land:

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the State of Utah pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way authorization". All operators, subcontractors, vendors, and their employees or agents may not disturb saleable timber (including firewood) without a duly granted wood permit from the State of Utah Forester.

If the surface rights and mineral rights have been severed, an approved right-of-way will be obtained from the surface owner before the operator begins any construction activities.

All roads constructed by operators will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) who owns the land, (b) the name of the operator, (c) that firearms are prohibited (d) that permits must be obtained from the State of Utah before cutting firewood or other timber products, and (e) only authorized personnel permitted.

All well site locations on State land will have an appropriate sign indicating the name of the operator, the lease serial number, the well name and number, the survey description of the well (either footage or the quarter-quarter section, the section, township, and range).

Additional Surface Stipulations

N/A No construction or drilling activities shall be conducted between

_____ and _____ because of _____

N/A No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.

N/A No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

N/A There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).

N/A No cottonwood trees will be removed or damaged.

N/A Pond will be constructed according to BLM specifications approximately _____ ft. _____ of the location, as flagged on onsite.

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

PERMITTING

Ed Trotter

1620 West 750 North

Vernal UT 84078 ^{740-3345 MOBILE}

Telephone # (801)789-4120

Fax # (801) 789-1420

OPERATIONS

Vince Guinn

P.O. Box 607

Roosevelt, UT 84066

(801) 722-2531

Fax # (801) 722-9145

All lease/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. Petroglyph Operating Co., Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The STATE OF UTAH Office shall be notified upon site completion prior to moving on the drilling rig.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the Plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroglyph Operating Co., Inc. and its contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

5-27-97

Date

Red L. Jett

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/29/97

API NO. ASSIGNED: 43-013-31887

WELL NAME: FEE 15-12
OPERATOR: PETROGLYPH OPERATING (N3800)

PROPOSED LOCATION:
NWSW 15 - T04S - R04W
SURFACE: 2460-FSL-0660-FWL
BOTTOM: 2460-FSL-0660-FWL
DUCHESNE COUNTY
DUCHESNE FIELD (090)

INSPECT LOCATION BY: 05/31/97		
TECH REVIEW	Initials	Date
Engineering	GRB	6/6/97
Geology		
Surface		

LEASE TYPE: FEE
LEASE NUMBER: FEE

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Federal State Fee
(Number 86692)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit
(Number 43-10152)
- 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: _____
- Date: _____

COMMENTS: Casing program OK (sundry notice 6/4/97). Cement slip. needed.
BOP OK

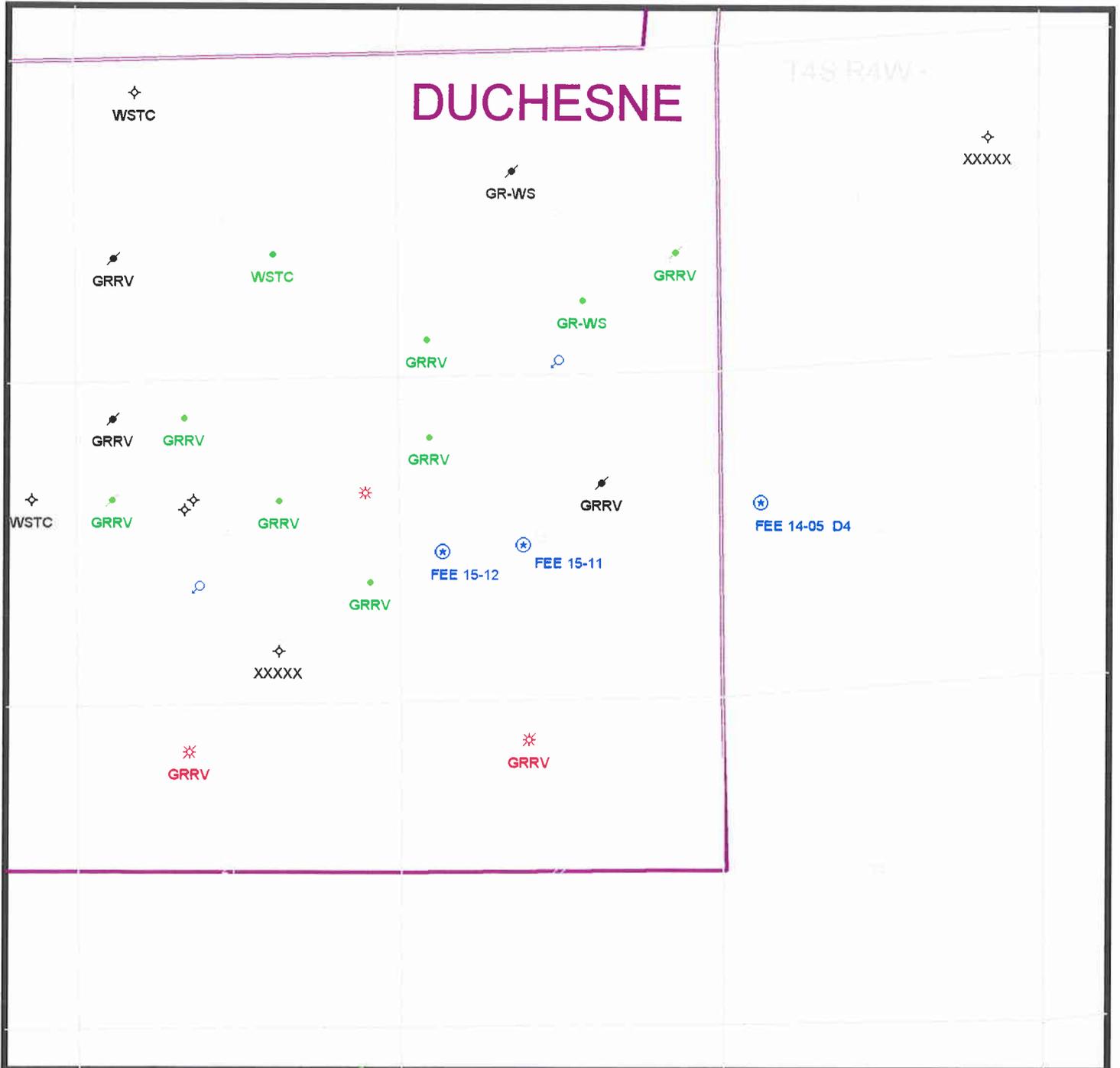
STIPULATIONS: 1. Statement of basis
2. See attached sheet for additional conditions.

OPERATOR: PETROGLYPH (N3800)

FIELD: UNDESIGNATED (002) & DUCHESNE (090)

SEC, TWP, RNG: 14, 15, T4S, R4W

COUNTY: DUCHESNE UAC: R649-3-2 & R649-3-3



PREPARED:
DATE: 29-MAY-97

DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

Operator Name: Petroglyph Operating Company Inc.

Name & Number: Fee #15-12

API Number: 43-013-31887

Location: 1/4, 1/4 NW SW Sec. 15 T. 4S R. 4W

Geology/Ground Water:

The base of moderately saline water is at a depth of approximately 1300 feet in the area of the proposed well. Fresh water aquifers may be encountered from very near surface to 1300 feet. Water flows have been encountered at depths of 35 feet and 150 feet in the vicinity of this well. The Ute Tribal # 4 SWD is located in sec.15, T. 4 S., R. 4 W.. The injection interval is at approximately 1800 feet. When the proposed well is drilled a correlation should be made with the SWD to assure that adequate cement is circulated to cover this interval. The proposed casing and cement program should adequately isolate any water encountered if the cement program is implemented properly.

Reviewer: D. Jarvis

Date: 6-5-97

Surface:

Surface owners were contacted by DOGM personnel regarding onsite visit and were represented by Clinton Moon. Proposed well site didn't have any special construction problems regarding drainage, surface water, pipelines, etc. Access road in is on hogback knoll with typical shadscale plant communities present. Recommend that exception location approval be given for topographic reasons.

Reviewer: Dennis L. Ingram

Date: June 4, 1997

Conditions of Approval/Application for Permit to Drill:

1. A 12 Mil liner be utilized in reserve pit.
2. Operator notify Roosevelt DOGM office before cementing surface pipe.

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: Petroglyph Operating Company
WELL NAME & NUMBER: FEE #15-12
API NUMBER: 43-013-31887
LEASE: FEE FIELD/UNIT: Duchesne
LOCATION: 1/4, 1/4 NW/SW Sec: 15 TWP: 4S RNG: 4W 2460' FSL 660' FWL
LEGAL WELL SITING: 460F SEC. LINE; 460F 1/4, 1/4 LINE; 920F ANOTHER WELL.
GPS COORD (UTM): No reading on meter
SURFACE OWNER: Phillip Moon, Allen Moon, Clinton Moon, Lamont Moon.

PARTICIPANTS

Vince Quinn (Petroglyph Operating); Ed Trotter (Petroglyph); Clinton Moon (Landowner); Dennis L. Ingram (DOGM)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Located in bench or table-top topography south approximately 2 1/2 miles south of Highway 40 on east/west ridge just north of wash. The walls in said wash were steep with rocky outcroppings along same.

SURFACE USE PLAN

CURRENT SURFACE USE: Domestic grazing (cattle); wildlife

PROPOSED SURFACE DISTURBANCE: 215'x 290' plus 0.1 miles of access road

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See map in file

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Production facilities shall be placed on lease. A 4 1/2" OD Steel gas pipeline will be laid approximately 600' from location to SW/NW, Sec 15, T4S, R4W.

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill with borrowed material.

ANCILLARY FACILITIES: None.

WASTE MANAGEMENT PLAN:

Submitted with APD

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAIN AND/OR WETLANDS: None present

FLORA/FAUNA: Sagebrush, shadscale, rabbit brush, bunch grass, cedar
Trees. Antelope, rabbits, small rodents, raptures, some deer & elk
use.

SOIL TYPE AND CHARACTERISTICS: Light brown sandy loam, with heavy
Shale deposits at surface.

SURFACE FORMATION & CHARACTERISTICS: Uinta Formation

EROSION/SEDIMENTATION/STABILITY: No erosion present/some sedimentation/
No stability problems observed.

PALEONTOLOGICAL POTENTIAL: None observed.

RESERVE PIT

CHARACTERISTICS: 60'x 110'x 8' along north side with west/east
prevailing winds.

LINER REQUIREMENTS (Site Ranking Form attached): 12 Mil liner (at
operator's request).

SURFACE RESTORATION/RECLAMATION PLAN

Included with APD

SURFACE AGREEMENT: Yes.

CULTURAL RESOURCES/ARCHAEOLOGY: No survey done

OTHER OBSERVATIONS/COMMENTS

Location staked up 480' south of proposed site but was relocated
because of topography reasons. An alternative site approximately
190' southwest on a rounded knoll is available. However, a 6" gas
line cuts across this location and would have to be moved because of
location cut. This alternative location would be closer to the 200'
allowable tolerance that is permitted by spacing orders but would
still fall outside the window of acceptability.

ATTACHMENTS:

Photos of proposed well site.

Dennis L. Ingram
DOGM REPRESENTATIVE

6/2/97, 10:00 AM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>20</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility		
Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>10</u>
Final Score (Level III Sensitivity)		<u>40</u>

6/6/97
SRB

APD evaluation
Casing & cementing program
Petroglyph Operating Co. Inc.
Fee 15-12D4 well

I. Casing program

Production string: 5 1/2", 15.5#, J-55 set at 2450'

Mud wt: (air drilled)

Max. antic. BHP: 1450 psi

Burst str. of casing = 4810 psi Burst SF = $\frac{4810}{1450} = 3.32$ OK

Collapse str. of casing = 4040 psi

Collapse SF = $\frac{4040}{1450} = 2.79$ OK

Wt. of pipe = $(15.5)(2450) = 37,975 \#$ OK

St. str. (assume STC) = 202,000 #

Tension SF = $\frac{202,000}{37,975} = 5.32$ OK

II. Cement program

Vol. & height between 5 1/2" casing - 7 7/8" hole: 0.3466 cu. ft. / sk.
(100% excess)

Cement vol. = $(2450)(0.3466) = 849 \text{ cu. ft.}$

No volumes or yields specified in the APD.

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS





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

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

UTAH DIVISION OF OIL, GAS AND MINING
FACSIMILE COVER SHEET

DATE: 6/6/97
FAX # (801) 722-9145
ATTN: Deanna Bell
COMPANY: Petroglyph Operating
FROM: John Baza
DEPARTMENT: Oil & gas
NUMBER OF PAGES BEING SENT (INCLUDING THIS ONE): 4

If you do not receive all of the pages, or if they are illegible, please call (801) 538-5340.

We are sending from a sharp facsimile machine. Our telecopier number is (801) 359-3940.

MESSAGES:

This is advance copy of your APD approval. A formal letter will be prepared and sent on Monday. It will include the standard general, notification and reporting requirements of the Division. Could you please mail copies of the Sundry notice which you faxed re: the casing program changes? The faxed copies are of low quality.

Important: This message is intended for the use of the individual or entity of which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return this original message to us at the above addressed via regular postal service. Thank you.

Thanks.



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

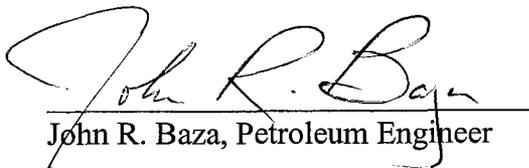
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

CONDITIONS OF APPROVAL

Well Name and Number: Fee 15-12D4
API Number: 43-013-31887
Operator: Petroglyph Operating Company Inc.
Type of Approval Requested: APD approval
Reference Document: APD dated 5/27/97

Approval Conditions:

1. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis dated June 5, 1997 (copy attached).
2. The operator shall utilize the modified casing program as specified on the submitted sundry notice dated June 4, 1997.
3. The cement volumes for the 5-1/2" casing shall be determined from actual hole conditions and the setting depth of the casing in order to place cement from the pipe setting depth back to the surface.
4. The presence of cement and a good quality bond surrounding the 5-1/2" casing shall be determined by means of a cement bond log. If such conditions cannot be shown, the operator shall obtain Division approval of a remedial plan for cementing the 5-1/2" casing.
5. The operator shall correlate the depth interval in this well with the injection zone in the Duchesne Ute Tribal #4 injection well located in Section 16, Township 4 South, Range 4 West. The operator shall furthermore ensure that the 5-1/2" casing is cemented in place with an appropriate weight and grade of cement which can achieve at least 500 psi compressive strength across the aforementioned injection zone.


John R. Baza, Petroleum Engineer

6/6/97
Date

Form 3180-G
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to 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
Petroglyph Operating Company, Inc.

3. Address and Telephone No.
P.O. Box 1839, Hutchinson, KS 67504-1839; (316) 665-8500

4. Location of Well (Footage, Sec., T., R., or Survey Description)
**2460' FSL & 660' FWL
 NWSW Sec. 15-T4S-R4W**

5. Lease Designation and Serial No.
FEE

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Fee 15-12D4

9. API Well No.

10. Field and Pool, or Exploratory Area
Duchesne

11. County or Parish, State
Duchesne County, UT

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 type="checkbox"/> Other _____
	<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.)

Petroglyph Operating Company, Inc. would like to notify you by subsequent report that the above referenced well was submitted to DOGM on an APD as FEE #15-12. The correct name is Fee 15-12D4.

The bond number for the above referenced well is B0692.

Surface casing will be 8-5/8" J55 24# and set @ ± 250'. Production casing will be 5-1/2" J55 15.5# and set ± 2450'. All cement will be ran to surface.

14. I hereby certify that the foregoing is true and correct
 Signed *Deanna Boll* Title Operations Coordinator Date 6/4/97

(This space for Federal or State official 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 and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter in its jurisdiction.

*See Instruction on Reverse Side

PETROGLYPH OPERATING COMPANY, INC.

P. O. Box 1839
Hutchinson, Kansas 67504-1839
Tele: (316) 665-8500
Fax: (316) 665-8577

P. O. Drawer 607
Roosevelt, Utah 84066
Tele: (801) 722-2531
Fax: (801) 722-9145

TELECOPIER TRANSMITTAL SHEET

PRIVILEGED AND CONFIDENTIAL

This facsimile contains privileged and confidential information intended only for the use of the individual or entity named below. If the reader of the facsimile is not the intended recipient, or the employee or agent responsible for delivering it to the intended recipient, you are hereby on notice that you are in possession of confidential and privileged information. Any dissemination, distribution, or copying of this facsimile is strictly prohibited. If you have received this facsimile in error, please immediately notify the sender by telephone (collect) and return the original to the sender at the above address via the U.S. Postal Service.

This transmission consists of 4 page(s), including this cover sheet. Please deliver to recipient immediately!

TO: Jon Baza COMPANY: _____
FROM: Deanna Bell COMPANY: _____
FAX NUMBER: _____ DATE: 6/4/97
MESSAGE:

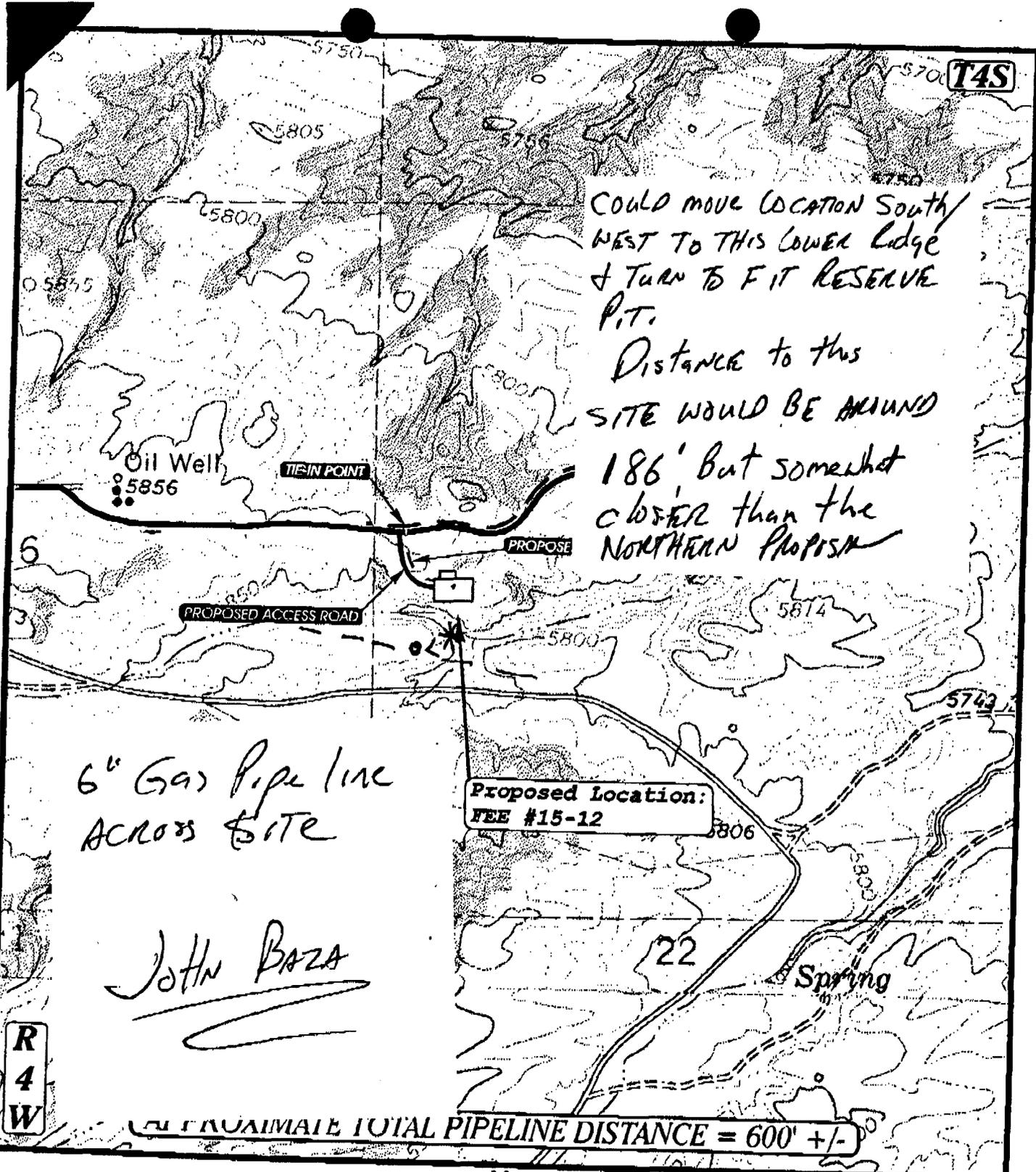
From: Roosevelt OGM Remote
To: JBAZA
Date: 6/3/97 1:48pm
Subject: PETROGLYPH ONSITES

I just faxed you a copy of the topo map for the Fee #15-12 and Fee #15-11 with info showing where an alternative well site could be located.

On the Fee #15-12, the alternate site would still be outside the 200' allowance window, so the proposal by Petroglyph is probably OK. Besides, as I previously stated a 6" surface gas line would need to be moved before building location.

However, the FEE #15-11 could possible be re-staked to the southwest and perhaps fit it into the 200' tolerance window.

CC: BHILL



COULD MOVE LOCATION South/WEST TO THIS LOWER Edge & TURN TO FIT RESERVE PIT.

Distance to this SITE WOULD BE AROUND 186' But somewhat closer than the NORTHERN PROPOSAL

R
4
W

UELS

TOPOGRAPHIC MAP "D"

- Existing Pipeline
- - - Proposed Pipeline



SCALE: 1" = 1000

PETROGLYPH OPERATING CO., INC.

FEE #15-12
SECTION 15, T4S, R4W, U.S.B.&M.
DATE: 5-9-97

Drawn by: D.COX
REVISED: 5-22-97 D.COX

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

SECTION CORNERS LOCATED.

6/3/97

Notes Re: Petroglyph Fee #15-12

- JRB spoke with Deanna of Petroglyph (801) 722-2531 and Dennis Ingram. There is no special concern regarding surface disturbance at the well. The operator has indicated that they will install a 12 mil synthetic liner - this is primary stipulation which we will include on APD approval.
- JRB gave verbal approval to commence location construction.
- Evidence of surety bond should arrive on Thursday, 6/5/97. APD will likely be signed by then.

6/4/97

Deanna, Petroglyph (801) 722-2531

Changes in plans:

TD = 3485'

Test Friar Sand at 3150'

Or the Kicker Sand a little bit deeper

- 8^{5/8}" , 24# , J-55 @ 250'

- 5^{1/2}" , 15.5# , 2450'

- Open hole completion past 2450' to TD.

- 5^{1/2}" casing cement to be brought back to ^{Surface}

She will send in a sundry notice today by fax.



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

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

June 6, 1997

Petroglyph Operating Company, Inc.
P.O. Box 607
Roosevelt, Utah 84066

Re: Fee 15-12D4 Well, 2460' FSL, 660' FWL, NW SW, Sec. 15,
T. 4 S., R. 4 W., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31887.

Sincerely,

Lowell P. Braxton
Lowell P. Braxton
Deputy Director

lwp

Enclosures

cc: Duchesne County Assessor

Bureau of Land Management, Vernal District Office

Operator: Petroglyph Operating Company, Inc.
Well Name & Number: Fee 15-12D4
API Number: 43-013-31887
Lease: Fee
Location: NW SW Sec. 15 T. 4 S. R. 4 W.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334 or Mike Hebertson at (801) 538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis dated June 5, 1997 (copy attached).

5. The operator shall utilize the modified casing program as specified on the submitted sundry notice dated June 4, 1997.

6. The cement volumes for the 5½" casing shall be determined from actual hole conditions and the setting depth of the casing in order to place cement from the pipe setting depth back to the surface.
7. The presence of cement and a good quality bond surrounding the 5½" casing shall be determined by means of a cement bond log. If such conditions cannot be shown, the operator shall obtain Division approval of a remedial plan for cementing the 5½" casing.
8. The operator shall correlate the depth interval in this well with the injection zone in the Duchesne Ute Tribal #4 injection well located in Section 16, Township 4 South, Range 4 West. The operator shall furthermore ensure that the 5½" casing is cemented in place with an appropriate weight and grade of cement which can achieve at least 500 psi compressive strength across the aforementioned injection zone.

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SPUDDING INFORMATION

Name of Company: PETROGLYPH OPERATING

Well Name: FEE 15-12D4

Api No. 43-013-31887

Section: 15 Township: 4S Range: 4W County: DUCHESNE

Drilling Contractor UNION

Rig # 16

SPUDDED:

Date 6/7/97

Time _____

How ROTARY

Drilling will commence _____

Reported by DEANNA

Telephone # _____

Date: 6/10/97 Signed: JLT

PETROGLYPH Operating Company, Inc.

6209 North Highway 61, Hutchinson, Kansas 67502 • P.O. Box 1839, Hutchinson, Kansas 67504-1839



June 11, 1997

CONFIDENTIAL

Mr. John Baza
Division of Oil Gas and Mining
State of Utah
1594 West North Temple
Suite 1210
Salt Lake City, Utah 84180
Phone: 801-538-5277
Fax: 801-359-3940

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 6/11/97
BY: John R. Baza

RE: Response to request for exemption to placement of Cement Top listed in permit to Drill

Fee # 15-12D4 and
660 FWL 2460 FSL
NW SW Section 15
T4S R4W
Duchesne, County
Utah
Permit #
API # 43-013-31887

~~Fee # 14-05
2180 FNL 660 FWL
SW NW Section 14
T4S R4W
Duchesne, County
Utah
Permit #
API # 43-013-31885~~

*Decision deferred on
the #14-05 well until
hole's condition is determined.
- SRB*

Dear Mr. Baza,

CONFIDENTIAL

As per our conversation from 11:00 am to 12:00 pm, MST 6/11/97, it is my understanding that we are granted an exemption from cementing to surface on the Fee # 15-12D4 well under the following terms and conditions:

1.0 Petroglyph will bring Thixotropic cement, with a compressive strength of 3500 psi in 72 hours, from the 5 1/2" formation packer shoe at 2450', to a minimum of 200' above the top injection zone in the Friar #4 injection well. Top perforation in the Friar #4 is 1917 KB. Cement in the 15-12D4 shall be set at the geological equivalent of 1717 KB in the Friar #4.

The Friar #4 injection well is perforated from 1917-1922, 1937-1942, 1987-1992, 2037-2042, 2084-2087 with a TD of 2100'. The Friar #4 injection well is located in Section 16, T4S, R4W 1980 FSL, 1980 FWL and is used to inject ammonia water from other wells completed in the Friar sands in the Duchense Field.

Page 2 of 2

Response to Request for Cement top Exemption

Fee # 15-12D4 and Fee # 14-05 D4

Mr. John Baza

June 11, 1997

2.0 Petroglyph will use Hi Fill cement from 200' above the top geological equivalent of the top perforation in the Friar #4 sand at 1917' KB to 1200' from surface.

3.0 Surface Elevation for 15-12D4 is 5841.1. Ground Level (5851.1 KB). Surface elevation for the Friar #4 is 5924' KB. Elevation difference is 72.9' KB.

4.0 Therefore the Thixotropic cement in the 15-12D4 well shall be brought from the formation packer shoe at 2450' KB to $1917' - 200' - 72.9' = 1644.1'$ KB in the 15-12D4 well.

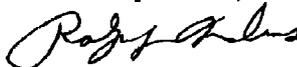
5.0 A decision on the Fee 14-05D4 will be made at the time we TD the well. Mr. Ralph Nelms will discuss the hole condition with Mr. Baza on Friday June 14, 1997 prior to cementing to determine if an exemption to the permitted cement top at surface shall be granted.

6.0 Surface Elevation for the Fee 14-05D4 is 5767.0 GL (5777' KB). KB difference between the Friar #4 and Fee 14-05D4 would be $5777 \text{ KB} - 5924' \text{ KB}$ or 147.0'.

7.0 Thixotropic cement on the Fee 14-05D4 shall be brought from the formation packer shoe at approximately $2560'$ to $1917' - 200' - 147' = 1570'$ from surface. Hi Fill cement will be brought from 1570 to 1200' to protect shallow water zones from the shallowest ammonia water sands at 1300' from surface.

8.0 The 3-10D injection well, located in Section 10, S/2, currently is injection water only in the Green River formation from 6246 to 6262 and 6652 to 6672. Since the Fee # 14-05D4 and Fee # 15-12D4 wells will TD at less than 3600', none of the water injection zones in the 3-10D injection well will be connected to the Fee 14-05D4 nor 15-12D4 wells.

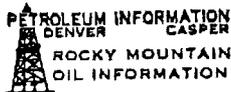
Sincerely Yours,



Ralph L. Nelms

Manager of Utah Operations

UTAH
DUCHESNE CO.
DUCHESNE (D)



Twp 4s-4w *USM*
Section 16
c ne sw
1980 n/s 1980 e/w

OPR: Continental Oil *USM*

WELL #:

14
Duchesne Unit
Ute Tribe
00000

ELEV: 5924 KB

DSTS. & CORES:

SPUD: 11-18-61 COMPL: 1-16-62

*TOPS: ~~RR~~ Sample

TD: 2100 PB: 2085

Green River surf to TD

No cores.
DST 1746-1898, 1 hr,
gas in 1 min @ 16½
MCFPD, rec 125 GCM,
FP 49-49#, SIP 682-538#,
HP 719#. DST 1900-
2100, 1 hr, gas immed
@ 65 MCFPD, decr to
36 MCFPD, rec 830 GCM,
FP 123-215#, SIP (1 hr)
723#, HP 754#.

CSG: 9-5/8" @ 251 w/150
4½" slotted @ 2100 w/150

PERF: 1917-22, 1937-42, 1987-92,
2037-42, 2084-87 w/2 per ft;
acidized; swbd 2 bbls load
wtr per hr. Flowed 46.4 MCFG
PD, decr to 2.4 MCF in 7 hrs.

PROD. ZONE:

INIT. PROD: D & A

Contr: Arapahoe

*For Electric Logs on Rocky Mountain Wells—Ask Us!

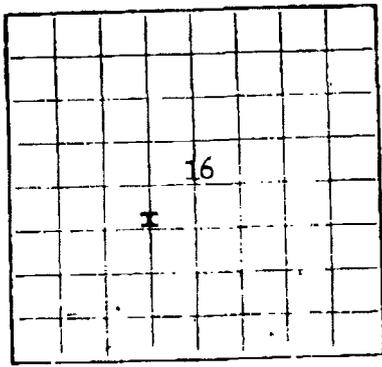
Map #UB-6A

UB-269010

#4

Form OGCC-3

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
Salt Lake City, Utah



LOCATE WELL CORRECTLY

To be kept Confidential until _____
(Not to exceed 4 months after filing date)

LOG OF OIL OR GAS WELL

Operating Company Continental Oil Company Address Box 126, Craig, Colorado
Lease or Tract Duchesne (Ute Tribal) Field Duchesne State Utah
Well No. 4 Sec. 16 T. 4S. R. 4W. Meridian Uintah Special County Duchesne
Location 1980 ft [N.] of S. Line and 1980 ft [E.] of W. line of Section 16 Elevation 5925'

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.
Signed _____ Title District Superintendent

Date April 17, 1962

The summary on this page is for the condition of the well at above date.

Commenced drilling November 18, 1961 Finished drilling November 26, 1961

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from Dry Hole to
No. 2, from to
No. 3, from to
No. 4, from to
No. 5, from to
No. 6, from to

IMPORTANT WATER SANDS

No. 1, from to
No. 2, from to
No. 3, from to
No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
9-5/8"	32.30	8 rd	H-40	239'	Larkin				Surface Csg.
4-1/2"	9.5	8 rd	J-55	2,088'	Larkin				Prod. Csg.
	21.6								Plugged with cement to
							1,917'	1,922'	
							1,937'	1,942'	
							1,987'	1,992'	
							2,037'	2,042'	1,934'
							2,084'	2,087'	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	251'	150	Halliburton		
4-1/2"	100'	150	Halliburton		

FOLD

PLUGS AND ADAPTERS

Heaving plug - Material Length Depth set
 Adapters - Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
None						

TOOLS USED

Rotary tools were used from Surface feet to 2,100 feet, and from feet to feet
 Cable tools were used from feet to feet, and from feet to feet

DATES

~~.....~~ April 17 1962 Put to producing Dry Hole 19.....

The production for the first 24 hours was barrels of fluid of which% was oil;% emulsion;% water; and% sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

H. H. Henry - Drilling Foreman, Driller Driller
, Driller Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
Surface	2100'	2100'	At the end of complete Driller's Log add Geologic Tops. State whether from Electric Logs or samples. Uinta - Shale, Sandstone and limestone.

(OVER)

CGCC(2)-File



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 REGION VIII
 999 18th STREET - SUITE 500
 DENVER, COLORADO 80202-2405

*U. S. State of Utah
 General BLM*

MECHANICAL INTEGRITY PRESSURE TEST
 CASING/TUBING ANNULUS

Company Name: Coors Energy Company Date: 11/4/91
 Well Name: Ute Tribal No. 4 SWD Permit No. _____
 Field Name: Duchesne County: Duchesne
 Well Location: _____ Sec 16 T 4S R 4W
 Well Type: SWD XX ER _____ 2H _____ Other: _____
 Type of Packer: Arrowset retrievable Total Depth: 2100'
 Packer Set at (depth): 1703' FT
 Surface Casing Size: 9-5/8" From: surface FT to 239 FT
 Casing Size: 4-1/2" From: surface FT to 2088 FT
 Tubing Size: 2-3/8" Tubing Pressure during Test: N/A psig
 Time of Day: 11:00AM am/pm

	Test #1	Test #2
0 Min:	<u>Tested tbg./</u> psig	<u>Inj. into</u> psig
5	<u>csg. annulus</u> psig	<u>4 1/2" slotted</u> psig
10	<u>to 2000 psi</u> psig	<u>liner from</u> psig
15	<u>for 15 min.</u> psig	<u>1728-2088'</u> psig
20	<u>Annulus held.</u> psig	<u>w/15 bbls.</u> psig
25	_____ psig	<u>wtr @ 1100</u> psig
30	_____ psig	<u>psi @ 1 BPM.</u> psig
35	_____ psig	<u>No step rate</u> psig
40	_____ psig	<u>test at this</u> psig
45	_____ psig	<u>time, ISIP</u> psig
50	_____ psig	<u>800, 15 min.</u> psig
55	_____ psig	<u>750</u> psig
60	_____ psig	_____ psig

Test Conducted by: Jim Simonton - Superintendent, Coors Energy Company
 Inspected by: _____
 Others Present: _____

P. O. Box 1839
Hutchinson, KS 67504-1839
Phone: (316) 665-1473
Fax: (316) 665-0687

**PETROGLYPH GAS
PARTNERS, L.P.**

Fax

This facsimile contains privileged and confidential information intended only for the use of the individual or entity named below. If the reader of the facsimile is not the intended recipient or the employee or agent responsible for delivering it to the intended recipient, you are hereby on notice that you are in possession of confidential and privileged information. Any dissemination, distribution or copying of this facsimile is strictly prohibited. If you have received this facsimile in error, please immediately notify the sender by telephone (collect) and return the original to the sender at the above address via the U.S. Postal Service.

To: John Bata **From:** Ralph Adams

Fax: _____ **Pages:** 8 (including cover sheet)

Phone: _____ **Date:** 6/11/97

Re: _____ **CC:** _____

Urgent For Review Please Comment Please Complete _____

● **Comments:**

PETROGLYPH Operating Company, Inc.

6209 North Highway 61, Hutchinson, Kansas 67502 • P.O. Box 1839, Hutchinson, Kansas 67504-1839



June 11, 1997

Mr. John Baza
Division of Oil Gas and Mining
State of Utah
1594 West North Temple
Suite 1210
Salt Lake City, Utah 84180
Phone: 801-538-5277
Fax: 801-359-3940

RE: Request for exemption to placement of Cement Top listed in permit to Drill

Fee # 15-12D4 and
660 FWL 2460 FSL
NW SW Section 15
T4S R4W
Duchesne, County
Utah
Permit #
API # 43-013-31887

Fee # 14-05
2180 FNL 660 FWL
SW NW Section 14
T4S R4W
Duchese, County
Utah
Permit #
API # 43-013-31885

Dear Mr. Baza,

Petroglyph Operating Company, Inc. hereby requests an exemption to the original DOGM drilling permit to change the cement top from surface to a depth of 1400' from surface.

The Fee # 15-14 D4 encountered the first gas show with a slight oil show at 1590'. No water, oil or gas shows were found above 1500'. A 1/8" stream of water was blow tested at 206' and 8 5/8" surface casing was set at 262' KB to isolate and protect this shallow water show. As of 11:00 am Wednesday June 11, 1997 the well is TD'd at 3145'.

Hole conditions on the Fee 15-04D4 dictate that an attempt to cement to surface would result in breakdown of fractured zones when completing the primary cement job. If we attempted a primary two stage cement job we feel we would not be able to bring cement to surface without lost circulation resulting in a possible poor quality overall cement job quality which may require a remedial cement squeeze job.

Page 2 of 2
Request for Cement top Exemption
Fee # 15-12D4 and Fee # 14-05 D4
Mr. John Baza

We therefore request an exemption from the approved permit to drill on the above two wells to change the cement top from surface to 1400'. This depth will allow us to perform a high quality cement job from 3145' to 1400' without risk of lost circulation and also protect and isolate all water, gas and oil zones in the well.

Upon receipt of this request, please contact me ASAP at 316-665-8500 and/or 316-665-1473. 10:52 am MST Wednesday June 11, 1997.

Sincerely Yours,



Ralph L. Nelms
Manager of Utah Operations

P. O. Box 1839
Hutchinson, KS 67504-1839
Phone: (316) 665-1473
Fax: (316) 665-0687

**PETROGLYPH GAS
PARTNERS, L.P.**

Fax

This facsimile contains privileged and confidential information intended only for the use of the individual or entity named below. If the reader of the facsimile is not the intended recipient or the employee or agent responsible for delivering it to the intended recipient, you are hereby on notice that you are in possession of confidential and privileged information. Any dissemination, distribution or copying of this facsimile is strictly prohibited. If you have received this facsimile in error, please immediately notify the sender by telephone (collect) and return the original to the sender at the above address via the U.S. Postal Service.

To: Mr. John Beza From: Ralph Welms
Fax: _____ Pages: 3 (including cover sheet)
Phone: _____ Date: 6/11/97
Re: _____ CC: _____

Urgent For Review Please Comment Please Complete _____

• **Comments:**

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

OPERATOR: PETROGLYPH OPERATING CO. COMPANY REP: KENT STRINGHAM

WELL NAME 15-12D4 API NO 43-013-31887

QTR/QTR: NW/SW SECTION: 15 TWP: 4S RANGE: 4W

CONTRACTOR: UNION DRILLING CO. RIG NUMBER: 16

INSPECTOR: DAVID HACKFORD TIME: 1:00 PM DATE: 6/12/97

SPUD DATE: DRY: _____ ROTARY: _____ PROJECTED T.D. 3480'

OPERATIONS AT TIME OF VISIT: CIRCULATE PRODUCTION CASING 16
JOINTS OFF BOTTOM. 3150' IS TD. CASING WILL NOT GO TO
BOTTOM.

WELL SIGN: N MUD WEIGHT 8.3 LBS/GAL BOPE: Y

BLOOIE LINE: Y FLARE PIT: N H2S POTENTIAL: N

ENVIRONMENTAL:

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

RUBBER: N BENTONITE: N SANITATION: Y

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: Y

REMARKS:

CREW ATTEMPTED TO RUN PRODUCTION CASING WITH 7.75" PACKER IN
7 7/8" HOLE. PIPE WOULD NOT GO. HOT OIL TRUCK IS HEATING UP
CIRCULATING FLUID IN AN ATTEMPT TO FINISH RUNNING CASING.
WILL ATTEMPT TO SET PACKER AT 2408' AND DO AN OPEN HOLE
COMPLETION. NIPPLED UP WITH DOUBLE GATE AND ROTATING HEAD.
SURVEY AT 3078' WAS 4 DEGREES. 2872' WAS 4 1/4 DEGREES.

6/11/97
JRB

Discussion w/ Ralph Nelms, Petroglyph

Friar #4 injection well, injects ammonium water
Sec. 16, T. 4S, R. 4W

perfs: 1917 - 1922
1937 - 1942
1987 - 1992
2037 - 2042
2084 - 2087

U. T. # 3-10 D, green river injection well
Section 10, T. 4S, R. 4W

perfs: 6246 - 6672

15-12 D4

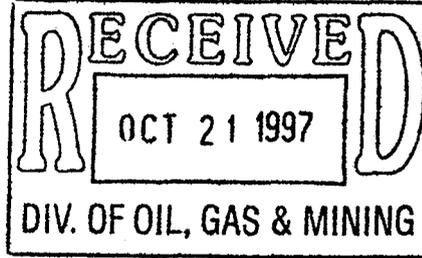
Drilled w/ air to 2600', then misting & foaming.
Started hauling water out of pit, ammonia water.
Encountered first water @ 2312'.

- ① They plan to set thixotropic, high quality cement from 5 1/2" casing shoe back to 200' over the top of correlated injection zones from Friar #4 well.
- ② Their Hi-Lift Cement stage will cover back to 1200' in depth.

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS
AMPAD

October 15, 1997

Vicky Dyson
State of Utah
Division of Oil, Gas & Mining
1594 W. North Temple, Ste.1210
Salt Lake City, UT 84114



Ms. Dyson:

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Enclosed please find the logs listed below for the wells located in Duchesne County, Utah.

<u>Well Name</u>	<u>Log</u>
Ute Tribal 19-06	CNL & AIT
Ute Tribal 16-07	CNL & AIT
Ute Tribal 19-05	CNL & AIT
Ute Tribal 18-11	CNL & AIT
Ute Tribal 15-12	CNL & AIT
Ute Tribal 16-03	CNL & AIT
Ute Tribal 14-05	CNL & AIT
Ute Tribal 19-09	CNL & AIT
Ute Tribal 16-08	CNL & AIT
Ute Tribal 19-04	CNL & AIT
Ute Tribal 07-10	CNL & AIT
Ute Tribal 19-03	CNL & AIT
Ute Tribal 30-10	CNL & AIT
Ute Tribal 30-11	CNL & AIT

43013 31887 7045 ROAD 16

If you need further information, please do not hesitate to call me at 316-665-8500.

Sincerely,

Judy Gates
Petroleum Geology Technician

CONFIDENTIAL

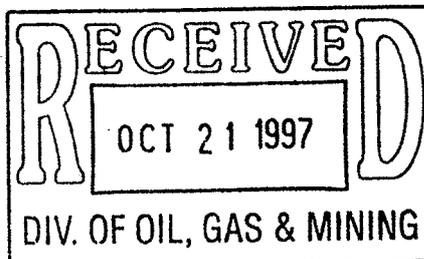
COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc. Elevation: KB 5851
 Lease: Fee 15-12D4 GL 5841
 API #: 43-013-31887 Property: 55033
 Location: 15 - 4 S - 4 W AFE/EPE Number: 41371
 County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
7/7/97	\$2,388.00	PERFORATIONS: WELLBORE: MIRU. NU Frac head & BOP's. PU & RIH w/ 3/8" drill collars (6) & 2-7/8" tbg & tag top of cement @ 2365' (top plug). RU pump & lines. Test csg to 2400 psi. Install stripping head & RU power swivel. SWIFN
7/8/97	\$4,882.00	Open well. SICP @ 0 psi. SITP @ 0 psi. Drill out cmt. Baffle plate & shoe & ±3' cmt under shoe. Drilled from 2365' to 2405'. RIH to 2450'. ND stripping head & POOH w/ collars & bit. RD swivel. RU & RIH w/ 700' of tbg. Circ hole clean & POOH. RU Schlumberger & run CBL. Found bottom of shoe @ 2394' & top of cmt @ ±950' RD wireline. RIH w/ NC & tag fill @ 3050'. NU stripping head & clean out to 3075'. Circulating out lg pieces of frmn 1-2' long. Pieces plugging up flowlines. POOH to 2300' & SWIFN. Will finish POOH & PU bit in a.m. Note: Had oil & gas kick when drilled out under shoe ±3 bbl Friar oil.
7/9/97	\$1,980.00	Open well. SICP & SITP @ 0 psi. Remove stripping head & POOH w/ tbg. PU & RIH w/ 4-3/4" bit to 2300'. Install stripping head & finish RIH to fill @ 3065' (gain of 10' of fill overnight). RU pwr swivel & clean out to 3148'. POOH to 2527'. RU & swb well. Made 9 runs. IFL @ surf. FFL @ 2000' had trace of oil. Wait 1 hr & made run. Had 100' of entry. RIH & tag fill @ 2146'. POOH to 2894' & swb well. Made 3 runs. IFL @ 1900', FEL @ 2300'. Still only trace of oil. Made 1 hr run - had 100' entry. RIH & tag fill @ 3146'. POOH to 2300' & SWIFN. TWR swabbing @ 60 bbls.



COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 5851
GL 5841

Well: Fee 15-12D4

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

7/10/97	\$3,030.00	WELLBORE:
---------	------------	-----------

Open well w/ well being swabbed to ±2300' yesterday. This a.m. SICP @ 60 psi & SITP @ 0 psi. RU & swab well made 1 run to check FL @ 1900' w/ only trace of oil. RD swab. RIH & tag fill @ 3144'. POOH to 2894'.

RU & swb well. Made 2 runs. IFL @ 2000'. FFL @ 2500'. Well swabbed down. POOH w/ tbg & 4-3/4" bit. LD bit & RIH w/ NC (1 jt tbg). PSN & remainder of tbg to 3140'. POOH to 2894'. Ru & swb well. Made 4 runs. IFL @ 2000'. FFL @ 2400'. POOH to EOT @ 2531' Flunge up tbg head. RD service rig & hook up Echo Meter for 10 day build up test. TWR swabbing @ 11 bbls. TOR @ 1 bbl.

Note: 1st run in hole before flanging up WH had 70' oil in tbg.

TUBING DETAIL	KB	10.00
	80 Jts 2 7/8 6.50 J-55	2489.50
	2 3/8 PSN	1.20

7/25/97	\$230.00	
---------	----------	--

MIRU. Prepare to run rods in a.m.

7/28/97	\$11,421.00	ROD DETAIL	2 x 7/8
---------	-------------	------------	---------

WELLBORE:
3150 RTD
2393 CSA

Open well. Slight blow on csg & tbg. No recordable pressure. N.D. wellhead. POOH w/2 7/8" tbg. Install B2 TAC & RIH w/production tbg to ± 2536'. Set B2 TAC w/± 4000# tension. N.U. wellhead and x/over to run rods. P.U. & prime pump. RIH w/pump & rods – space out and seat pump. Load tbg w/8 bbls & stroke test to 500psi. N.U. production and rig down service rig. Move to Ute Tribal 21-11 in Antelope Creek. Final Report.

TUBING DETAIL	KBB	10.00
	77 Jts 2 7/8 J-55 6.50	2332.59
	5½ B-2 anchor	2.66
	5 Jts 2 7/8 J-55 6.50	158.32
	2 7/8 PSN	1.20
	1 jt 2 7/8 J-55 6.50	30.74
	Notch Collar	.50
	EOT	2536.01

Cumulative Cost: \$23,931.00

Days Since Start: 22

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO. FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1.a. TYPE OF WELL:

Oil Well [x] Gas Well [] Dry [] Other []

7. UNIT AGREEMENT NAME

b. TYPE OF COMPLETION:

New Well [x] Workover [] Deepen [] Plug Back [] Diff. Reserv. [] Other []

8. FARM OR LEASE NAME

2. NAME OF OPERATOR PETROGLYPH OPERATING COMPANY, INC.

9. WELL NO. FEB 15-12D4

3. ADDRESS OF OPERATOR P.O. BOX 607, ROOSEVELT, UT 84066 (435) 722-2531

10. FIELD AND POOL, OR WILDCAT Duchesne

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 2460' FSL 660' FWL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA NWSW Sec. 15-T4S-R4W

At top prod. interval reported below

At total depth 3150' RTD

14. PERMIT NO. 43-013-31887 DATE ISSUED 6/6/97

12. County or Parish Duchesne 13. State Utah

15. DATE SPUDDED 6/7/97

16. DATE T.D. REACHED 6/11/97

17. DATE COMPLETED (Ready to prod.) 7/28/97

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

19. ELEV. CASINGHEAD 5841' GL

20. TOTAL DEPTH, MD & TVD 3150' RTD

21. PLUG BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY* none

23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION -- TOP, BOTTOM, NAME (MD AND TVD)*

2416-3150' Friar

ARRV

25. WAS DIRECTIONAL SURVEY MADE no

26. TYPE ELECTRIC AND OTHER LOGS RUN

Spectral Density Dual Spaced Neutron w/ Gamma Ray, EMI N/R INDUCTION 10-22-97

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. Includes rows for 8-5/8", 5-1/2", 160 sxs Type 5, 30 sxs Highfill &, 115 sxs Thixotropic.

Table with columns: SIZE, TOP, BOTTOM (MD), SACKS CEMENT*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD). Includes LINER RECORD and TUBING RECORD sections.

31. PERFORATION RECORD (Interval, size and number)

CONFIDENTIAL

NONE (OPEN HOLE)

CONFIDENTIAL

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION DATE FIRST PRODUCTION 8/24/97 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2-1/2" x 1-1/2" x 16' 40 ring RHAC pump WELL STATUS (Producing or shut-in) producing

Table with columns: DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N FOR TEST PERIOD, OIL - BBL., GAS - MCF., WATER - BBL., GAS-OIL RATIO.

Table with columns: FLOW. TUBING PRESS., CASING PRESSURE, CALCULATED 24 HR. RATE, OIL - BBL., GAS - MCF., WATER - BBL., OIL GRAVITY - API (CORR.).

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY ON 8-26-98

35. LIST OF ATTACHMENTS

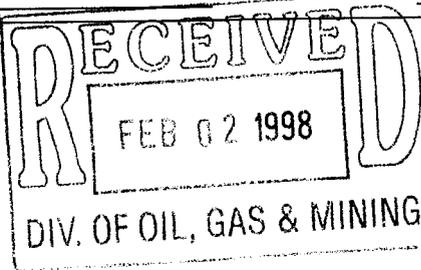
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Signed Leanna Bell

Title Operations Coordinator

Date 12-31-97

See Spaces for Additional Data on Reverse Side



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
NONE OPEN HOLE						

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Fec 15-12D4
API number: 43-013-31887
2. Well Location: QQ NWSW Section 15 Township 4S Range 4W County Duchesne
3. Well operator: PETROGYPH Operating Company, Inc
Address: P.O. Box 607
Rosevelt, UT 84066 Phone: 801-722-2531
4. Drilling contractor: Union Drilling
Address: P.O. Drawer 40
Buckhannon, WV 26201 Phone: (304) 472-4600
5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	169	DRY	
169	276	Hole Damp 1b sample	
276	705	DRY	At 705 1/8 x 7 ^{Flow} sample
705 705	1670	1/2 x 7"	
1670	2340	3/4 x 7"	
2340	3150	HIT 2-3 inch H ₂ O	High Ammonia

6. Formation tops: _____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.
 I hereby certify that this report is true and complete to the best of my knowledge. Date: 6-12-97
 Name & Signature: [Signature] Title: DRILLER

OPERATOR Petroglyph Operating Company, Inc.

OPERATOR ACCT. NO. N 3800

ADDRESS P.O. Box 607

Roosevelt, UT 84066

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	12272	43-013-31887	Fee 15-12D4	NWSW	15	4S	3W	Duchesne	6-7-97	
WELL 1 COMMENTS: Fee 15-12D4 will be a tank battery of its own <i>Entity added 12-15-97. See</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
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)

Deanna K. Bell
Signature Deanna K. Bell
Operations Coordinator 6-10-97
Title Date

Phone No. (801) 722-2531



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

September 2, 2008

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6107

Mr. Steve Wall
Petroglyph Operating Co.
P.O. Box 607
Roosevelt, UT 84066

45 4W 15

Re: Moon 14-08D API 43-013-32442 & Fee 15-12 D4 API 43-013-31887
Extended Shut-in and Temporarily Abandoned Well Requirements for Wells on Fee or State
Leases

Dear Mr. Wall:

As of July 2008, Petroglyph Operating Co. has two (2) Fee Lease Wells (see Attachment A) currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division of Oil, Gas & Mining ("Division") grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3).

Based on a plan to potentially recomplete and integrity information, the Moon 14-08D was granted extended SI/TA approval until May 1, 2006. To date nothing appears to have been done on this well and no further approvals have been granted. Please submit your plans to produce of plug these wells immediately.

For extended SI/TA consideration the operator shall provide the Division with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).



Page 2
September 2, 2008
Mr. Wall

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions will be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

JP/js
Enclosure

cc: Well Files
Compliance File

ATTACHMENT A

	Well Name	API	Lease Type	Years Inactive
1	Moon 14-08D	43-013-32442	Fee	4 Years 10 Months
2	Fee 15-12 D4	43-013-31887	Fee	3 Years 9 Months



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 19, 2009

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6909

Mr. Steve Wall
Petroglyph Operating Co.
P.O. Box 607
Roosevelt, UT 84066

4S 4W 15

Subject: SECOND NOTICE: Extended Shut-in and Temporarily Abandoned Well Requirements for Wells on Fee or State Leases Moon 14-08D (API 43-013-32442) & Fee 15-12 D4 (API 43-013-31887)

Dear Mr. Wall:

As of January 2009, Petroglyph Operating Co. (Petroglyph) has two (2) Fee Lease Wells (see attachment A) currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division of Oil, Gas & Mining ("Division") grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3).

Previously on a plan to potentially recomplete and integrity information, the Moon 14-08D was granted extended SI/TA approval until May 1, 2006. To date the Division has no record of anything being done on this well, nor have further approvals have been granted. On September 2, 2008 the Division sent Petroglyph a notice, via certified mail, addressing these wells non-compliance issues. The Division has not seen any correspondence from Petroglyph on the matter. Please submit your plans to produce or plug these wells immediately.

For extended SI/TA consideration the operator shall provide the Division with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).



Page 2
Mr. Wall
February 19, 2009

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, a Notice of Violation will be issued. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

DKD/JP/js
Enclosure
cc: Well Files
Compliance File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

ATTACHMENT A

	Well Name	API	Lease Type	Years Inactive
1	Moon 14-08D	43-013-32442	Fee	4 Years 10 Months
2	Fee 15-12 D4	43-013-31887	Fee	4 Years 3 Months

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.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: PETROGLYPH ENERGY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: PO BOX 807 CITY ROOSEVELT STATE UT ZIP 84066		7. UNIT or CA AGREEMENT NAME: NA
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2460' FSL / 660' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN. NWSW 15 4S 4W		8. WELL NAME and NUMBER: FEE 15-12D4
PHONE NUMBER: (435) 722-2531		9. API NUMBER: 43-013-31887
STATE: UTAH		10. FIELD AND POOL, OR WILDCAT DUCHESNE
COUNTY: DUCHESNE		

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: 7/15/2009	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 7/17/2009	<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 checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<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"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<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.

THIS WELL IS NOT ECONOMICALLY TO PRODUCE SINCE COMPLETION. IT IS NOT A CANDIDATE FOR RE-ENTRY, RE-COMPLETION, OR LATERAL CONSIDERATION. CONTINUED MAINTENANCE OF SURFACE FACILITIES & WDT TESTING OF WELL BORE HAS BECOME PROHIBITIVE IN COST. THIS WELL IS OPEN HOLE FROM END OF PROD. CSG. @ 2403' TO RTDC 3150' THRU LOW API GRAVITY AND HIGH ASPHALTENE FLAIR OIL ZONE

COPY SENT TO OPERATOR

Date: 7.28.2009

Initials: KS

PLEASE SEE NEXT PAGE FOR P&A PROCEDURE:

NAME (PLEASE PRINT) <u>Boyd Cook</u>	TITLE <u>REG SUPERVISOR</u>
SIGNATURE <u>[Signature]</u>	DATE <u>6-30-09</u>

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING (See Instructions on Reverse Side)

(5/2000)

DATE: 7/20/09
BY: [Signature]

* See conditions of Approval (Attached)

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JUL 20 2009

DIV. OF OIL, GAS & MINING

PETROGLYPH

WELL NUMBER: FEE 15-12D4
 FIELD: DUCHESNE
 AFE#:

PROCEDURE: PLUG AND ABANDON

TOTAL DEPTH: 3150' RTD
 PBTD: OPEN HOLE END OF CSG. (2403') TO RTD 3150'

CSG. SCHEDULE: SURF. 8-5/8", 24#, J-55 CSG. = 263' KB

PROD. 5-1/2", 15.5#, J-55 SET AT 2403' KB
 BURST=4810 PSI., COLLAPSE=4040 PSI

TOP OF CEMENT: 950' CBL 7/8/97
 SHORT JT.: NA

PROCEDURE:

1. MOVE IN SERVICE UNIT-HOLD SAFETY MTG. AND JOB PLAN
2. CIRC. RODS AND TBG. CLEAN W/HOT OIL TRUCK-RETURNS TO 400 BBL. UPRIGHT TO BE RECOVERED
3. POOH W/LD RODS AND PUMP
4. ND WH-NU BOPs-POOH W/STD. BACK TBG.
5. PU RIH W/5-1/2" SCRAPER TO +/- 2350'
6. CIRC. HOLE VOL 57 BBLs. 2% KCL W/HOT OILER TO CLEAN UP CSG.
7. POOH W/TBG. AND SCRAPER (STD. BACK IF REQUIRED TO TAG PLUG-OTHERWISE LD)
8. RIH W/5-1/2" CIBP TO +/- 2350' AS PER CBL AND COLLAR LOCATOR - SET CIBP AND PULL UP HOLE TO CIRC. CMT. DEPTH
9. MIRU BIG 4 CEMENTERS - SPOT 100' CMT. ON CIBP. - POOH W/LD 4JTS.
10. RUN MIT AT REQUIRED PSI AND LENGTH IF NEEDED AND/OR TAG PLUG IF REQUIRED
11. IF MIT AND/OR PLUG TAG GOOD POOH W/LD LD 24 JTS. - STD BACK REST OF TBG.
12. PU/RIH W/5 1/2" CIBP TO 1500' - SET CIBP SPOT 200' CMT. ON CIBP TO COVER BMSGW
13. TEST OR TAG PLUG IF REQUIRED - POOH W/LD TBG.
14. MIRU CASED HOLE WIRELINE / SHOOT 4 HOLES .35 DIA., 38" PENETRATION AT SURFACE CSG. SHOE 273'
15. POOH W/WL - CIRC. DOWN 5 1/2" THRU' SQUEEZE HOLES BACK TO SURFACE UNTIL CLEAN RETURNS
 (IF NEEDED AND APPROVED DIG SMALL EARTH PIT FOR CMT RETURNS)
16. ND BOPs / CIRC. CMT THRU' SQUEEZE HOLES W/BIG 4 UNTIL CMT. RETURNS
17. DIG HOLE AROUND WH-CUT OFF SURF. AND PROD. CSGs. 3' BELOW
 GROUND-RDMO BIG 4-WELD PLATE W/1/4" WEEP HOLE OVER WELLBORE-INSTALL 5' ABANDONED HOLE
 MARKER POST WITH WELL ID
14. RDMOLO -RECLAIM LOC.

THIS WELL WAS COMPLETED IN 7/28/1997 -CURRENTLY HAS 81 JTS. TBG. IN HOLE W/PC PUMP& 91 RODS @2343'

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JUL 20 2009

DIV. OF OIL, GAS & MINING

P O. Box 807
 Roosevelt, UT 84066
 Phone: (435) 722-2531
 Fax: (435) 722-9145

PETROGLYPH



This facsimile contains privileged and confidential information intended only for the use of the individual or entity named below. If the reader of the facsimile is not the intended recipient or the employee or agent responsible for delivering it to the intended recipient, you are hereby on notice that you are in possession of confidential and privileged information. Any dissemination, distribution or copying of this facsimile is strictly prohibited. If you have received this facsimile in error, please immediately notify the sender by telephone (collect) and return the original to the sender at the above address via the U.S. Postal Service.

To: DUSTIN DOUCET From: Boyd Cook
 Company: UTAH DIV. OF OIL & GAS Company: Petroglyph
 Fax: 801-359-3940 Pages: (including cover) 3
 Phone: 801-538-5340 Date: 7/17/09
 Re: PTA 15-1204 CC:
 Urgent For Review Please Comment Please Complete

• Comments:

MR. DOUCET - MADE NEEDED CHANGES IN
 PROCEDURE - HOPEFULLY GOT IT RIGHT.
 LOOKING FORWARD TO YOUR RESPONSE.

THANKS, Boyd

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JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL

Well Name and Number: Fee 15-12D4
API Number: 43-013-31887
Operator: Petroglyph Energy
Reference Document: Original Sundry Notice dated June 30, 2009,
received by DOGM on July 20, 2009.

Approval Conditions:

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
2. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.
3. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
4. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.
5. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet
Petroleum Engineer

July 20, 2009

Date



Wellbore Diagram

API Well No: 43-013-31887-00-00 **Permit No:**
Company Name: PETROGLYPH OPERATING CO
Location: Sec: 15 T: 4S R: 4W Spot: NWSW
Coordinates: X: 557112 Y: 4442573
Field Name: DUCHESNE
County Name: DUCHESNE

Well Name/No: FEE 15-12 D4

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (F/cf)
HOL1	263	12.25			
SURF	263	8.625	24		
HOL2	3150	7.875			
PROD	2403	5.5	15.5		7483

$7\frac{7}{8}'' \times 5\frac{1}{2}'' (108) \rightarrow 4.0936$
 $8\frac{5}{8}'' \times 5\frac{1}{2}'' \rightarrow 5.192$

Cement from 263 ft. to surface
 Surface: 8.625 in. @ 263 ft.
 Hole: 12.25 in. @ 263 ft.

273' Plug #3
 $\frac{273'}{(1.15)(5.192)} = 46 \text{ sk}$
 $\frac{273'}{(1.15)(7.483)} = 32 \text{ sk}$
 78 sk req. min ✓ ok

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	2403	950	HG	30
PROD	2403	950	TR	115
SURF	263	0	T5	160

TOC 950'

BMSW 1300'

1300' Plug #2
 200' / (1.15)(7.483) = 24 sk

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
2403	3150			OH

1917' Frac 4 (Uctribal 40) Injection Zone

2100' ± GRRV

2087' Cement from 2403 ft. to 950 ft.
 2250' Production: 5.5 in. @ 2403 ft.
 2350' Hole: Unknown

Formation Information

Formation	Depth
UNTA	0
BMSW	1300
GRRV	2100

Plug #1
 $\frac{100'}{(1.15)(7.483)} = 12 \text{ sk req.}$
 ✓ ok

Hole: 7.875 in. @ 3150 ft.

TD: 3150 **TVD:** **PBTD:**

P4A

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.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER FEE
2. NAME OF OPERATOR PETROGLYPH ENERGY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
3. ADDRESS OF OPERATOR P.O. BOX 607 CITY ROOSEVELT STATE UT ZIP 84066		7. UNIT or CA AGREEMENT NAME NA
4. LOCATION OF WELL FOOTAGES AT SURFACE 2460 FSL 660 FWL COUNTY DUCHESNE QTR/DIR. SECTION, TOWNSHIP, RANGE, MERIDIAN. NWSW 15 4S 4W STATE UTAH		8. WELL NAME and NUMBER FEE 15-12D4
5. ADDRESS OF OPERATOR P.O. BOX 607 CITY ROOSEVELT STATE UT ZIP 84066		9. API NUMBER 4301331887
6. PHONE NUMBER (435) 722-2531		10. FIELD AND POOL, OR WLDGAT. DUCHESNE

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 (Submit in Duplicate) Approximate date work will start _____	<input type="checkbox"/> ACQUIRE	<input type="checkbox"/> OPEN	<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 checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 8/25/2009	<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"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER _____
	<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.

SET 5 1/2" CIBP 2350' - RIH W/TBG. DISPLACE HOLE VOL.80 BBLs. 2 % KCL / PUMP 15 SKS. 15.8# CEMENT ON TOP OF CIBP (142') 3 BBLs. / RUN MIT 800PSI-GOOD / SET 5 1/2" CIBP 1500' / PUMP THRU' TBG. 25 SKS. 15.8# CMT. ON TOP OF CIBP (230') 5 BBLs. / RU WL RIH SHOOT 4 HOLES 348' / CIRC. TO SURF. GOOD CIRCULATION / PUMP BALANCE PLUG DOWN 5 1/2" CSG. TO SURFACE IN 8 5/8" / 150 SKS. 15.8# CMT. / CUT OFF CSGs. / FINISH FILLING 5 1/5" x 8 5/8" WITH 126 SKS. 15.8# CMT. / WELD ID MARKER

ALL CEMENT TYPE G 15.8# SLURRY 1.15 YIELD FT.(3) 5.0 WATER GAS./SK.

NAME (PLEASE PRINT) BOYD COOK TITLE RIG SUPERVISOR

SIGNATURE _____ DATE 9/6/2009

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(1/7/00)

(See Instructions on Reverse Side)

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JOB SUMMARY REPORT

Customer <i>Petrol Supply</i>			Date <i>8/25/09</i>		Ticket Number	
Lease & Well Name <i>Fee. 15-12 D4</i>			Sec. <i>15</i>	Twp. <i>45</i>	Range <i>4W</i>	County <i>Duchesne</i>
Job Type <i>P4A</i>			Drilling Contractor			
Surface CSG Size <i>8 5/8</i>	Wt./Grade <i>24#</i>	Thread	Depth From <i>0</i>	To <i>263</i>		
Inter CSG Size	Wt./Grade	Thread	Depth From	To		
Prod. CSG Size <i>5 1/2</i>	Wt./Grade <i>15.5#</i>	Thread	Depth From <i>0</i>	To <i>2403</i>		
Liner CSG Size	Wt./Grade	Thread	Depth From	To		
TBG or D.P. Size <i>2 7/8</i>	Wt./Grade	Thread	Depth From <i>0</i>	To <i>2350</i>		

SKS	Materials Furnished	Slurry Wt. P.P.G.	Slurry Yield FT ³	Water Gal./Sk.
<i>315</i>	<i>Premium G Cement (ucat)</i>	<i>15.8</i>	<i>1.15</i>	<i>5.0</i>

Float Equipment

Equipment & Personnel
Dean, Gregg, Shane
#128, #10, #17

Notes
1st plug set @ 2350' - 2208'

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7/2/2009

Wellbore Diagram

1263

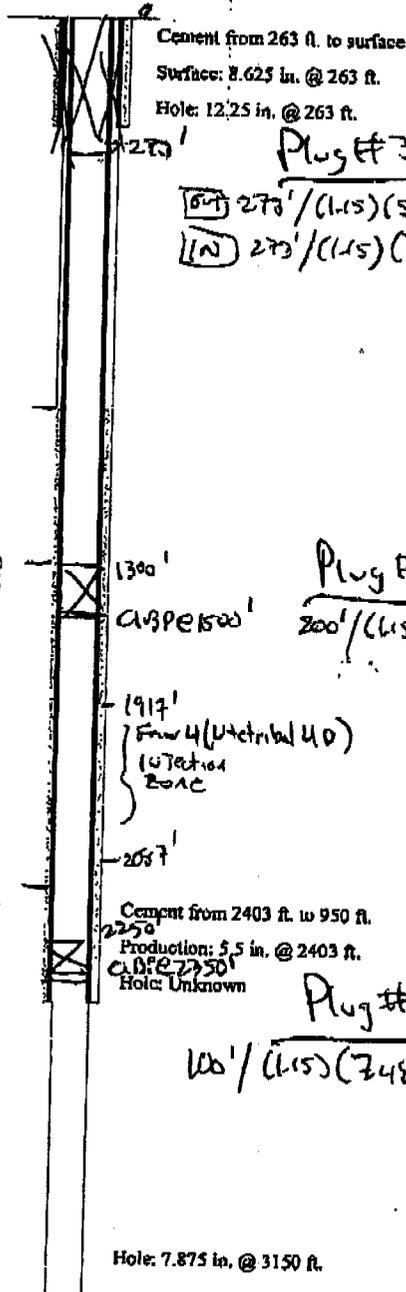
API Well No: 43-013-31887-00-00 Permit No:
 Company Name: PETROGLYPH OPERATING CO
 Location: Sec: 15 T: 4S R: 4W Spot: NWSW
 Coordinates: X: 557112 Y: 4442573
 Field Name: DUCHESNE
 County Name: DUCHESNE

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HOL1	263	12.25			
SURF	263	8.625	24		
HOL2	3150	7.875			
PROD	2403	5.5	15.5		

$1\frac{7}{8}'' \times 5\frac{1}{2}'' (108)$ → 7485
 $8\frac{5}{8}'' \times 5\frac{1}{2}''$ → 40936
 → 5192



Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	2403	950	HG	30
PROD	2403	950	TR	115
SURF	263	0	TS	160

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
2403	3150	04		

Formation Information

Formation	Depth
UNTA	0
BMSW	1300
GRRV	2100

260' GRRV
 2250'
 100' / (1.15)(7.483) = 12x ✓
 ✓ a/c

TD: 3150 TVD: P8TD:

