

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. Type of Work DRILL DEEPEN PLUG BACK

b. Type of Well
Oil Well Gas Well Other CO2

2. Name of Operator
BEARD OIL COMPANY

3. Address of Operator
5600 NORTH MAY AVE. SUITE 200, OKLAHOMA CITY, OKLAHOMA 73112

4. Location of Well (Report location clearly and in accordance with any State requirements.)
At surface 660' FEL, 660' FSL OF THE SE 1/4
At proposal prod. zone CO2 ZONES (KAIBAB 5140, TOROWEAP 5300, CEADER MESA 5470) OIL & GAS ZONES (PENN. LIME 6170, MISS. 6990)

14. Distance in miles and direction from nearest town or post office*
1 MILE WEST OF BICKNELL

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest dirig. line, if any)
660 FSL, 660 FEL

16. No. of acres in lease
160

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.
NONE

19. Proposed depth
7500' Mississippian

20. Rotary or cable tools
ROTARY

21. Elevations (Show whether DF, RT, GR, etc.)
6990 (GL)

22. Approx. date work will start* WHEN APPROVED

RECEIVED
JAN 17 1990

DIVISION OF
OIL, GAS & MINING

5. Lease Designation and Serial No.
FEE

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name
TANNER

9. Well No.
1-27

10. Field and Pool, or Wildcat
WILDCAT (001)

11. 60, Sec., T., R., N., or Blk. and Survey or Area
SE 1/4, SE 1/4
SEC. 27-T28-R3E

12. County or Parrish
WAYNE

13. State
UTAH

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
30"	20"	CONDUCTOR	60 +	TO SURFACE
17-1/2"	13-3/8"	48	600 +	TO SURFACE
12-1/4"	9-5/8"	40 & 36	APPROX 4000 +	350 SX +
8-3/4"	7.0"	26 & 23	7500 W/DV TOOL	400 SX +
OR 8-3/4"	5-1/2"	17 & 15.5	7500 W/DV TOOL	400 SX +
ALTERNATIVE CASING PROGRAM:				
8-3/4"	7.0"	26 & 23	APPROX. 6200' W/DV TOOL THRU WATER ZONES	250 SX +
6-1/8"	4-1/2 LINER	11.6	APPROX. 6200-7500	150 SX

TECHNICAL REVIEW
Engr. JRB
Geol. JRB
Surface JRB

IMPORTANT INFORMATION:

- THIS IS FEE LAND.
- THIS SITE IS NEITHER A FEDERAL NOR A STATE UNIT.
- ENGINEERS IN CHARGE OF OPERATIONS : DAVID I. ALLRED (405) 842-2333
IVAN D. ALLRED JR. (405) 842-2333

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

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

Signed: David I. Allred Title: PETROLEUM ENGINEER Date: 1/10/90

(This space for Federal or State office use)

API NO. 43-055-30038 Approval Date APPROVED BY THE STATE

Approved by: _____ Title: _____
Conditions of approval, if any:

DATE: 2-9-90
BY: John R. Baya
WELL SPACING: R615-3-2

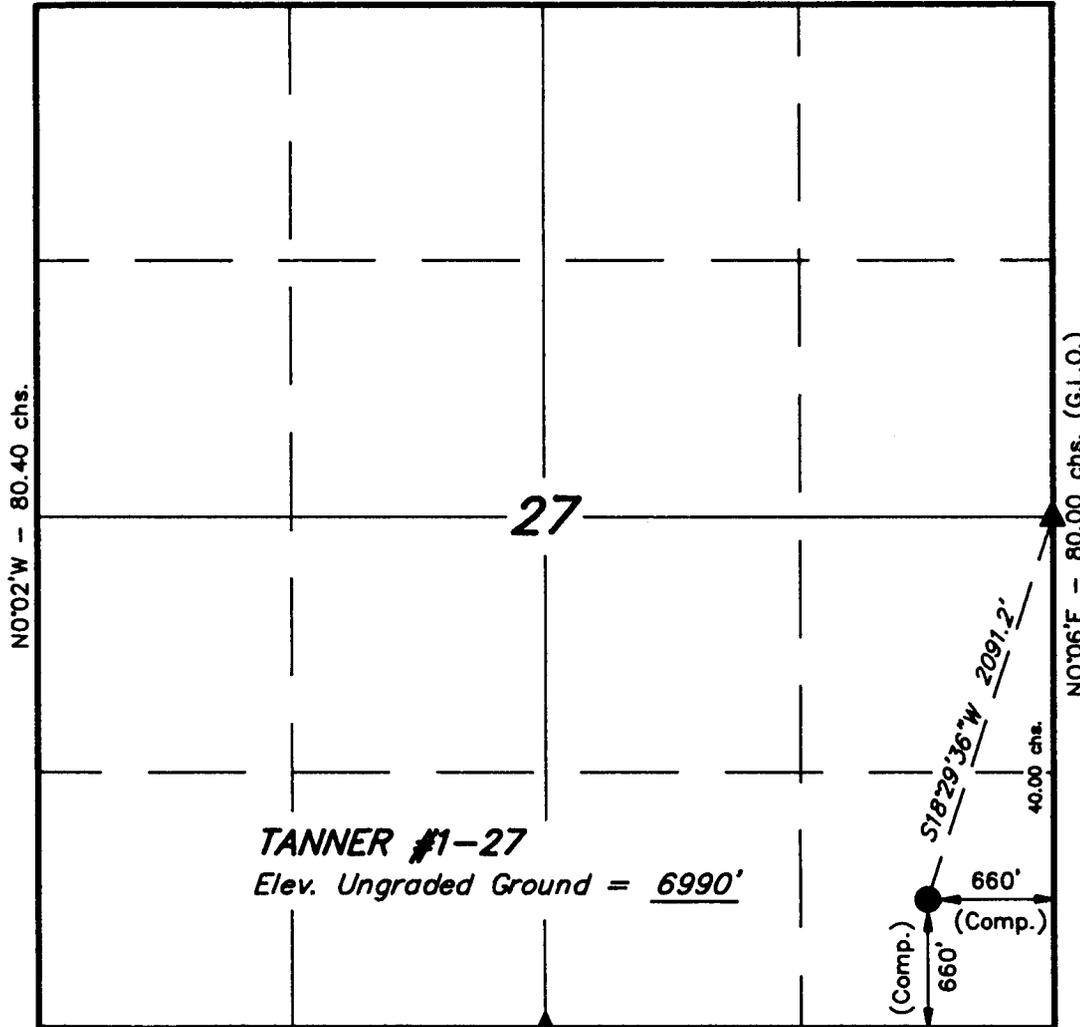
*See Instructions On Reverse Side

T28S, R3E, S.L.B.&M.

BEARD OIL CO.

Well Location, TANNER #1-27, located as shown in the SE 1/4 SE 1/4 of Section 27, T28S, R3E, S.L.B.&M. Wayne County, Utah.

S89°54'W - 79.80 chs. (G.L.O.)



TANNER #1-27
Elev. Ungraded Ground = 6990'

BASIS OF ELEVATION

BENCH MARK AT THE NORTHEAST CORNER OF A ROAD INTERSECTION IN THE SW 1/4 SW 1/4 OF SECTION 25, T28S, R3E, S.L.B.&M. TAKEN FROM THE BICKNELL QUADRANGLE, UTAH-WAYNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7128.13 FEET.



CERTIFICATE OF LAND SURVEY

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

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

UINTAH ENGINEERING & LAND SURVEYING

P. O. BOX 1758 - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

BASIS OF BEARINGS IS THE LINE BETWEEN THE EAST & SOUTH 1/4 CORNERS OF SECTION 27 WHICH IS COMPUTED AS BEARING S44°44'18" W.

▲ = SECTION CORNERS LOCATED. (BRASS CAPS)

SCALE 1" = 1000'	DATE 1-3-90
PARTY R.K. J.F. J.R.S.	REFERENCES G.L.O. PLAT
WEATHER COLD - WINDY	FILE BEARD OIL CO.

BEARD OIL COMPANY
Enterprise Plaza, Suite 200
5600 North May Avenue
Oklahoma City, Oklahoma 73112
(405)842-2333

January 7, 1990

Utah Board of Oil, Gas and Mining
Suite 350, 3 Triad Center
355 West North Temple
Salt Lake City, Utah 84183-1203

Re: Drilling Permit
Beard Oil Company Tanner 1-27
SE 1/4 SE 1/4 Section 27, T28S, R3E
Wayne County, Utah

Gentlemen:

Enclosed are our Application for Permit to Drill, 10 Point Plan, and Plats for the Tanner 1-27. You should also receive a copy of our Single Well Bond for this well within the next week.

The Tanner 1-27 is located in Section 27, T28S, R3E. This well will be located approximately 1.0 mile west of Bicknell, Utah (see map). The enclosed plat, maps and location were surveyed and location staked, January 3rd, 1990 by Uintah Engineering & Land Surveying, Inc. The location was staked 660' FEL and 660' FSL. Beard Oil Company has leased SE 1/4, SE 1/4 of Section 27. Mr. Tanner owns this quarter quarter section and agrees on the site.

If you have any questions, please feel free to call me (David I. Allred) or Ivan D. Allred Jr. at (405) 842-2333.

Please return approved copies of the enclosed Application to the address shown above, for the attention of Ivan D. Allred, Jr.

Sincerely yours,

BEARD OIL COMPANY



David I. Allred
Petroleum Engineer

DIA/tk
enclosures

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM

Company: Beard Oil Company

Well: Tanner 1-27

Well Location: SE 1/4, SE 1/4 of Section 27, T28S, R3E

County: Wayne

State: Utah

1. GEOLOGICAL SURFACE FORMATION

Pre-Cretaceous

2. ESTIMATED IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Est. Depths</u>
Carmel	600'
Navajo	2000'
Kayenta	3045'
Wingate	3445'
Chinle	3685'
Shinarump	4085'
Moenkopi	4180'
Sinbad	4900'
Kaibab	5140'
Toroweap	5300'
Cedar Mesa	5470'
Penn. Lime	6170'
Miss.	6990'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<u>Formations</u>	<u>Est. Depth</u>	<u>Phase</u>
Kaibab	5140'	CO2
Toroweap	5300'	CO2
Ceader Mesa	5470'	CO2
Penn. Lime	6170'	Oil & Gas
Miss.	6990'	Oil & Gas

4. DRILLING PROGRAM:

(a) 60'+ of 20" conductor pipe will be set. Cemented to surface.

(b) SURFACE HOLE: (60' - 600')

1. Drill 12-1/4" hole to a depth of 600 + feet with fresh water or mud. Then ream to 17-1/2" to a depth of 600' + feet or until a competent formation is reached below surface till. Maintain deviation to less than 1 deg. maximum. Boulders and lost circulation may occur.

2. Run 13-3/8", 48#, H-40 ST&C casing with float shoe, insert float collar one joint up, also weld steel straps on shoe jt. and first two collars off bottom. Engineer on location will determine where centralizers will be run. Cement to surface with Class "G" +3% CaCl2 or per instructions from engineer at that time. Lost circulation material may be added to cement if required. Top off cement thru 1" tubing if no cement returns to surface.

3. Install 13 5/8" x 3000 psi weld-on flanged casing head. Use adapter as required for BOPs.

(c) INTERMEDIATE HOLE: (600' - 4000')

1. Nipple up a 13 5/8 x 3000 psi BOP stack. Rig up 13 5/8" rotating head. Pressure test hydril, double gate manifold and kill line to 3000 psi for 15 min. Check motor shut-offs and BOP closing daily.

2. Drill 12-1/4" hole using air, or if necessary use air mist, aerated mud or mud. Drill to the Shinarump formation for casing seat, approximately 4000' feet. Run surveys every 100'. Max rate of change 1 deg. per 100'.

3. The formations from 600' to the Shinarump may have water zones and or lost circulation zones therefore the use

of lost circulation material and aerated mud maybe needed in this area.

4. Run 9-5/8", 40#, & 36#, J-55 ST&C casing with float shoe, insert float one joint up, also weld steel straps on show jt. and the first two collars off bottom. Engineer on location will determine where centralizers will be run. Cement minimum of 1500' with Class "G" + 3% CaCL2 or per instructions from engineer at that time. Lost circulation material may be added to cement if required.

(d) MAIN HOLE: (4000' - 7500')

1. Drill 8-3/4" hole using air, or if necessary use air mist, aerated mud or mud. It is hoped that the hole can be drilled with air or air mist to TD (7500'). Run surveys every 100' Max. rate of change 1 deg. per 100' Max 8 deg. at TD.

2. If water zones are encountered use Alt. (6.) casing program.

3. There are possible DSTs if mudded up in the CO2 zones and the oil & gas zones.

4. Case or abandon as necessary.

5. Production casing (5-1/2", 15.5 and 17.0#, J-55, ST&C) or 7", 26 & 23#, J-55, ST&C, maybe run after log and test data are interpolated. Cement 500' above the highest oil & gas zone. ECP (Expandable Casing Packers) along with a DV tool may be used on the casing to prevent cement interference with CO2 zones.

6. ALTERNATIVE CASING PROGRAM

Alt. casing may have to be run if water zones are encountered. 7.0", 23 & 26#, J-55 ST&C may be run if the fluid volumes from the water zones are to great to handle at surface. If the lower zones (oil & gas) test good then a 4-1/2" liner will be used below the 7.0" casing.

NOTE: If drilling below 7.0" is required 6-1/4" bits and a fresh water gel mud system will be used along with the 3-1/2" drill string that will be required.

5. PROPOSED CASING PROGRAM

<u>Size</u>	<u>Grade</u>	<u>Wt./Ft.</u>	<u>Condition</u>	<u>Approx. Depth Set</u>
20"	Conductor	--	New	60'+
13-3/8"	H-40	48	New	600'+
9-5/8"	J-55	40 & 36	New	approx. 4000'+

Cont. of Proposed Casing Program:

<u>Size</u>	<u>Grade</u>	<u>Wt./Ft.</u>	<u>Condition</u>	<u>Approx. Depth Set</u>
7.0"	J-55	26 & 23	New	Poss. 0-TD(7500)
5-1/2"	J-55	17, & 15.5	New	Poss. 0-TD(7500)

Alternative Casing Program

7.0"	J-55	26 & 23	New	0-Thru Water zones
4-1/5	J-55	11.6	New	6200'-(TD) 7500' (Liner)

6. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Well Control Equipment:

(a) NU 13 5/8" x 3000 psi hydraulic double-ram BOP w/ Hydrill and remote closing unit. Flang up 3000 psi manifold and kill line, test all BOP equipment 3000 psi at NU.

(b) Operate BOP daily and on each trip.

(c) Install and maintain kelly-cock. Test at NU.

(d) Keep inside BOP available on floor at all times.

7. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATING MUDS

Mud Program:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Vis</u>	<u>WL</u>	<u>Other</u>
0-600'	Fresh Water or Mud	8.3-8.7	30-35	NC	Lubricant & LCM
600'-4000'	Air, Air Mist or mud	8.3-8.7 as needed	26-29	NC	Lubricant & LCM
4000'-7500'	Air, Air Mist or mud	8.3-9.0	35-40	10	Lubricant & LCM

Alternative (if water zones are encountered)

6200'-7500'	Chemical (FWG)	8.8-9.0	35-45	10	Lubricant & LCM
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A Reserve Pit will be used.

8. AUXILIARY EQUIPMENT TO BE USED

- (a) A De-gasser & Gas Buster will be installed if needed.
- (b) Install a one-man mud-logging unit from surface to TD.
- (c) H₂S detection equipment will be installed below surface casing and maintained to TD.

9. TESTING LOGGING AND CORING PROGRAMS TO BE FOLLOWED

- (a) Rig samples every 10' from 2500' to TD, or as directed by the wellsite geologist.
- (b) No Cores are planned.
- (c) Possible Drill Stem Test if mudded up.
- (d) Possible Gamaray - Neutron, Induction Log from approximately 600' to Shinarump approximately (4000'). From Shinarump to TD (7500') Gamaray Neutron, Induction Log, Densilog and possible dipmeter log, as directed by wellsite geologist.

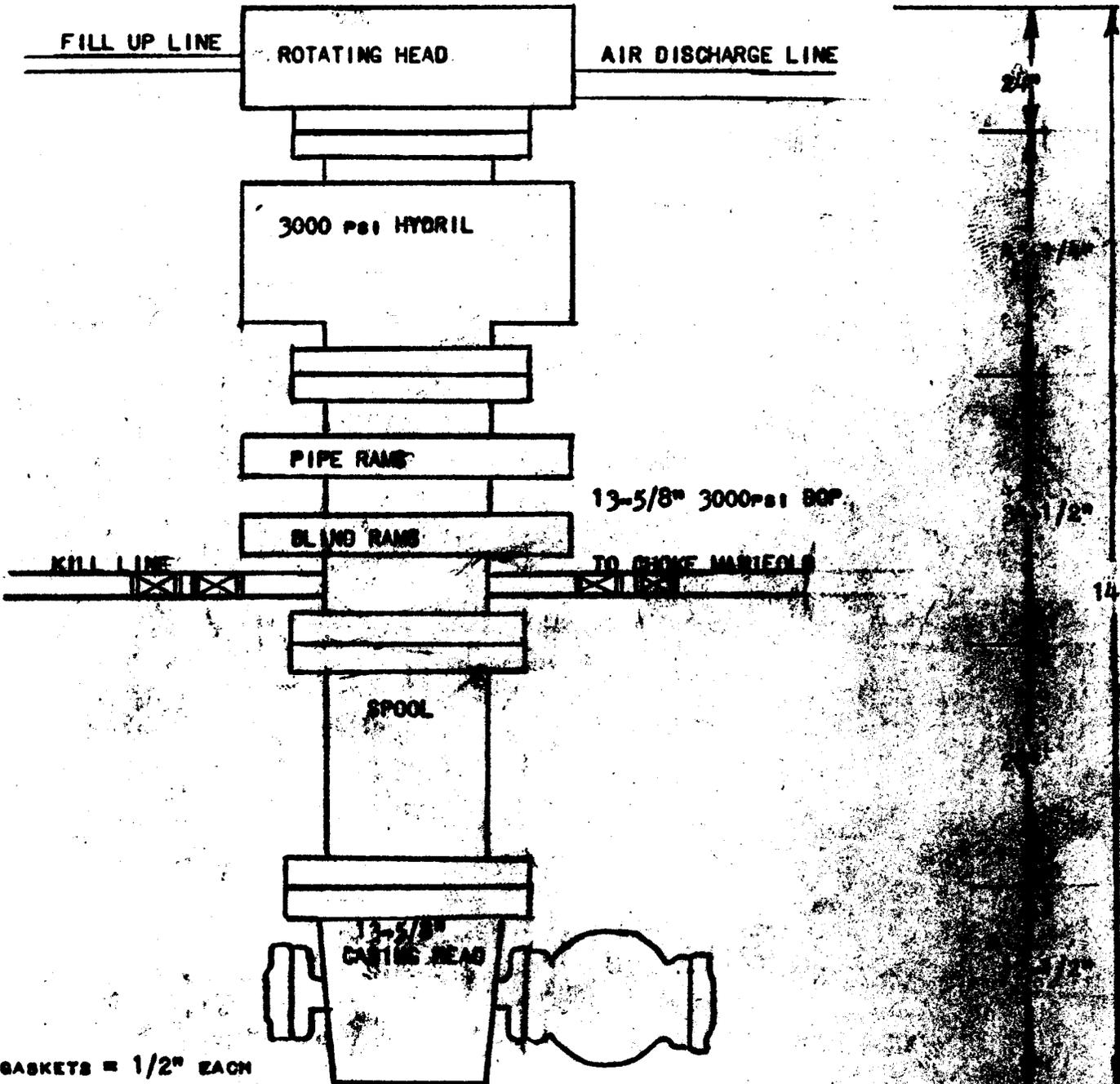
10. ANY ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- (a) Sub-normal bottom hole pressures are expected in the CO₂ zones of the Kaibab, Toroweap and Cedar Mesa formations. Estimated pressure gradients of 0.20 to 0.25 psi/ft are expected. No abnormal pressures are expected in the potential oil and gas zones.

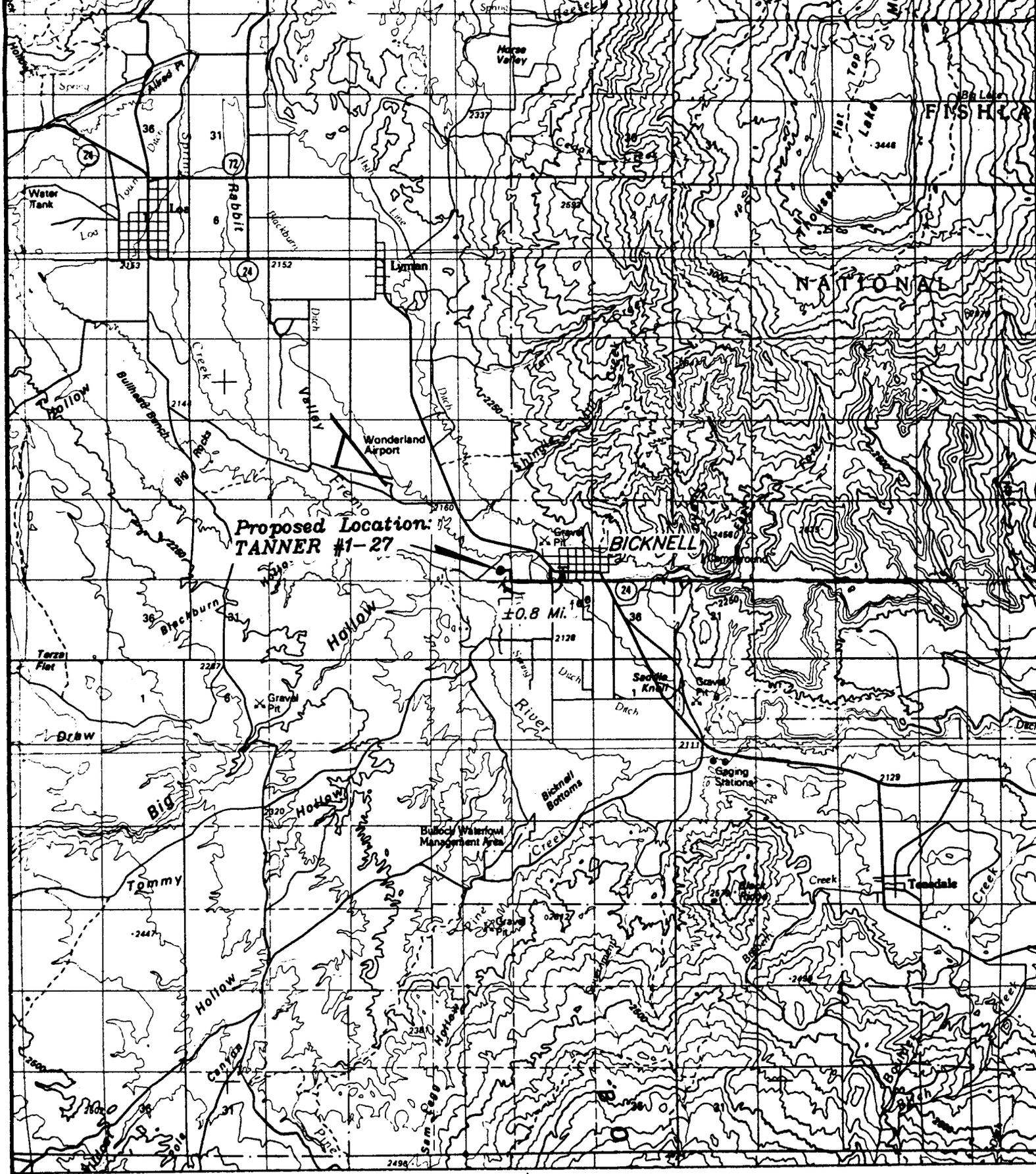
11. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

- (a) The anticipated starting date is set for as soon as possible after examination and approval of all drilling requirements.
- (b) The operations should be completed within 30 days after spudding the well.

TANNER 1-27
BOP DIAGRAM



4 RING GASKETS = 1/2" EACH



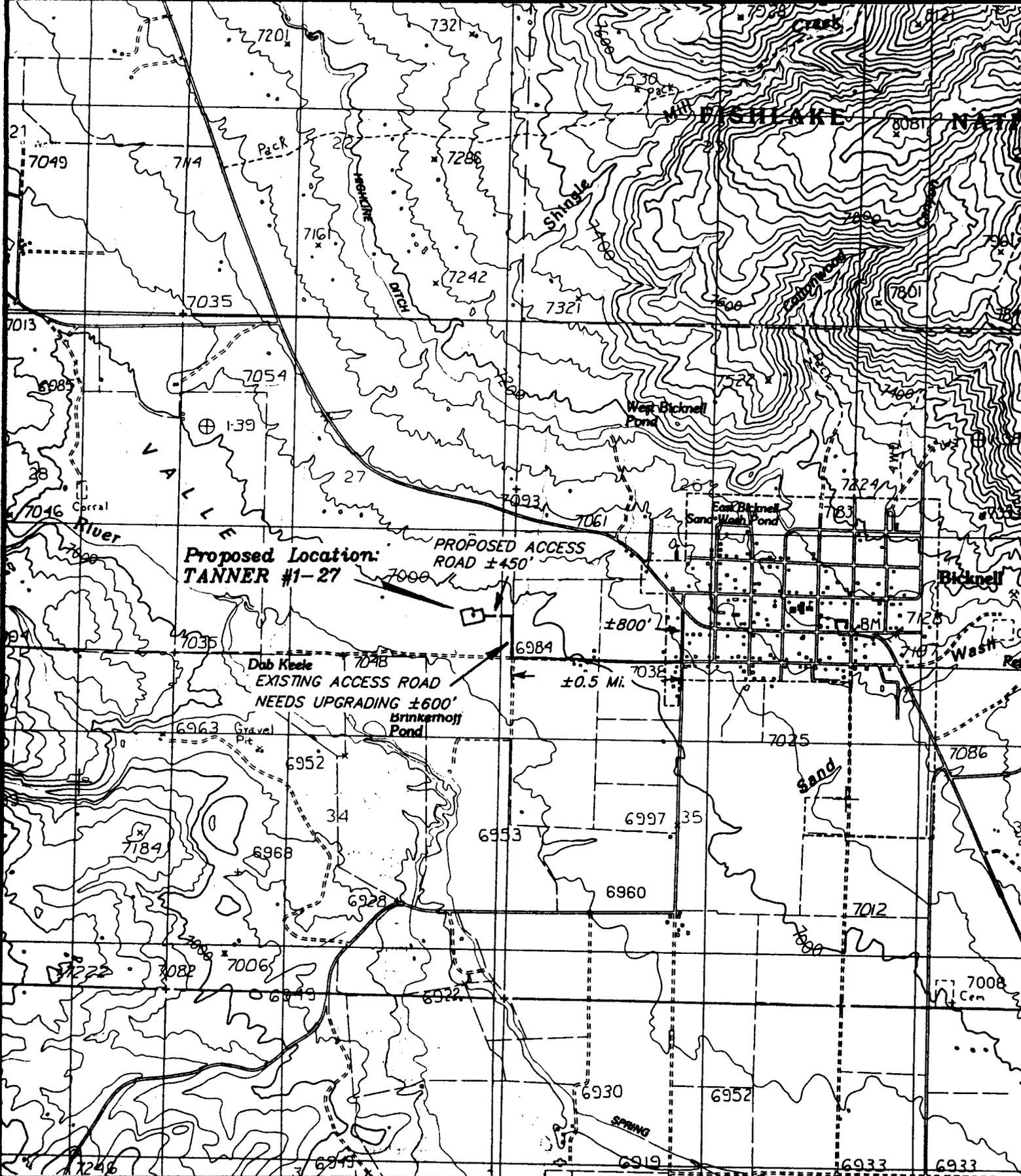
TOPOGRAPHIC
MAP "A"

DATE: 1-3-90



BEARD OIL CO.

TANNER #1-27
SECTION 27, T28S, R3E, S.L.B.&M.



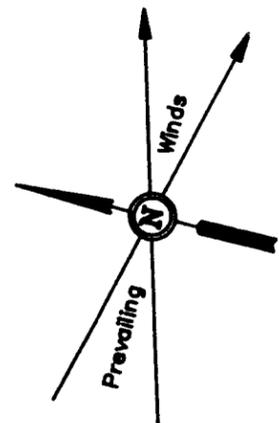
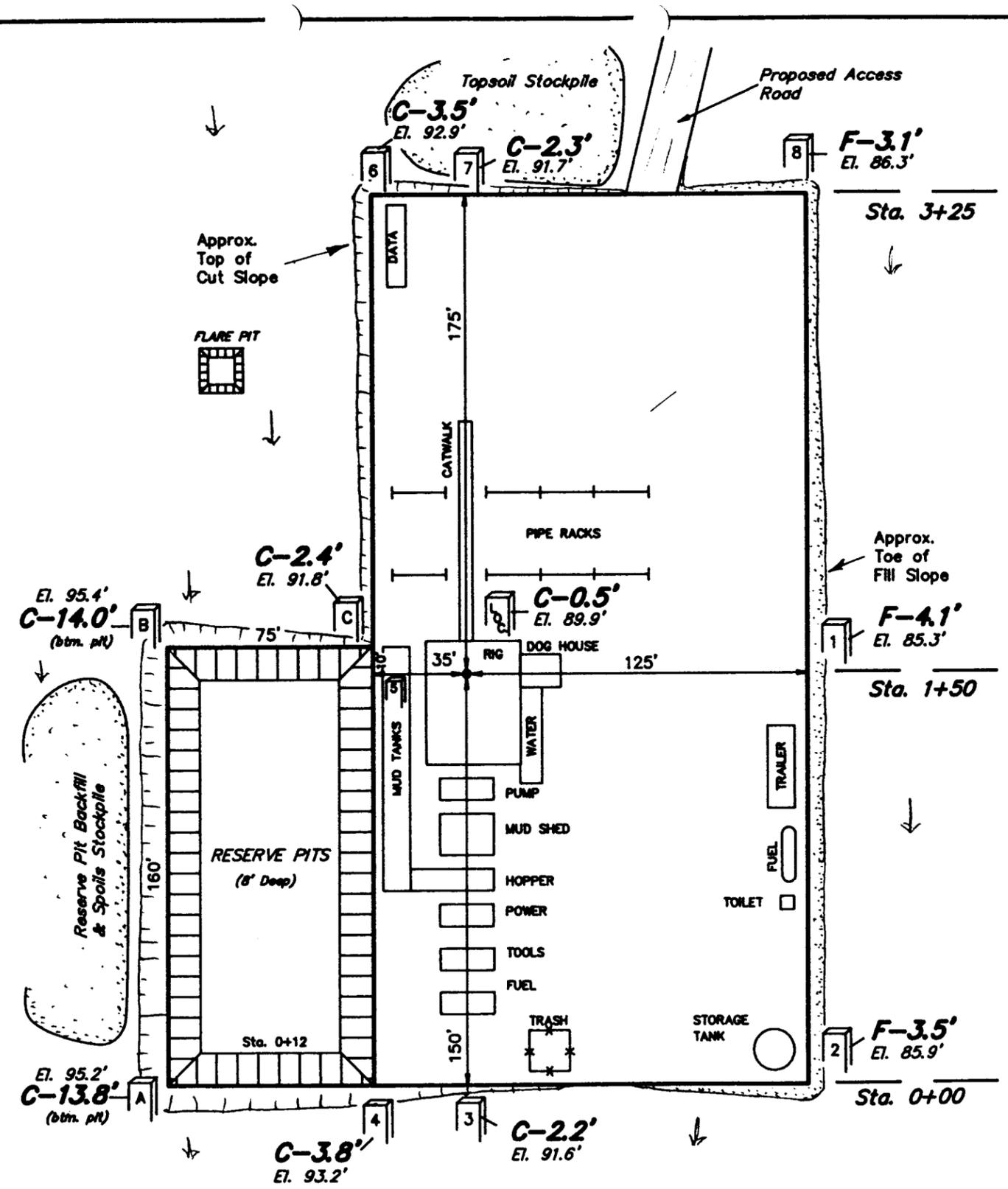
TOPOGRAPHIC
MAP "B"
 SCALE: 1" = 2000'
 DATE: 1-3-90



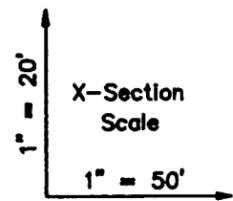
BEARD OIL CO.

TANNER #1-27
SECTION 27, T28S, R3E, S.L.B.&M.

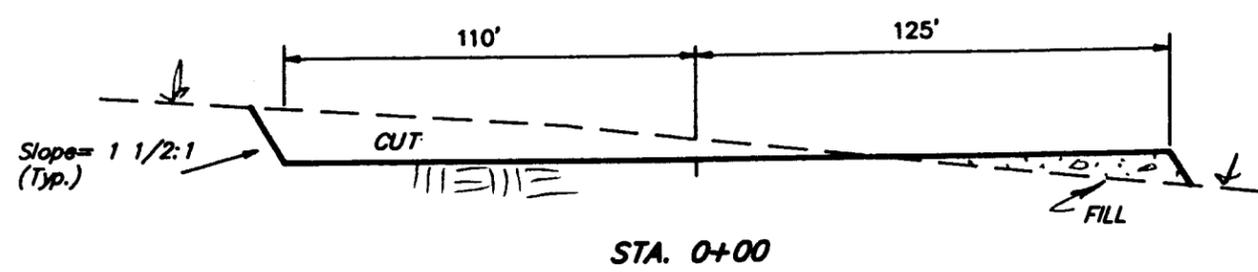
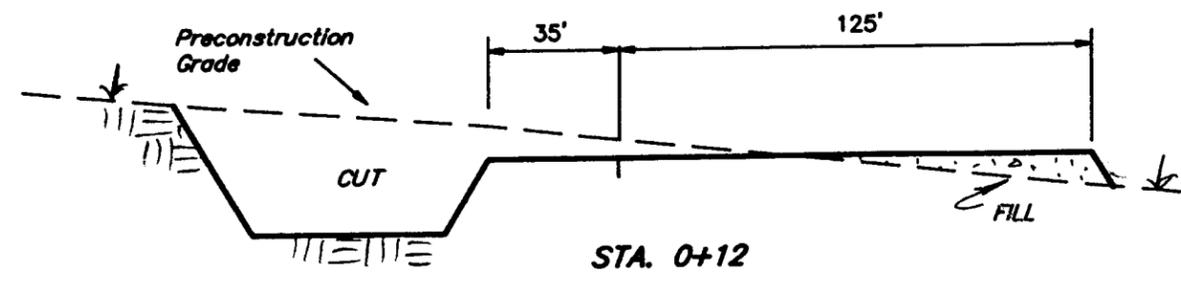
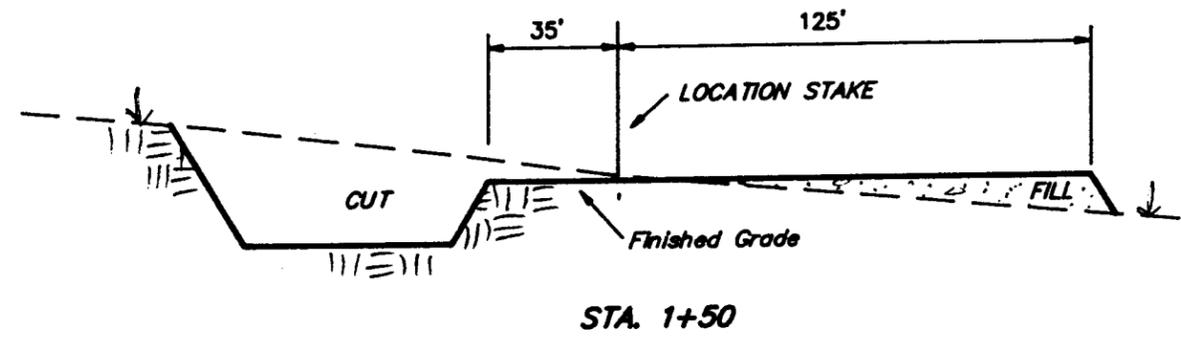
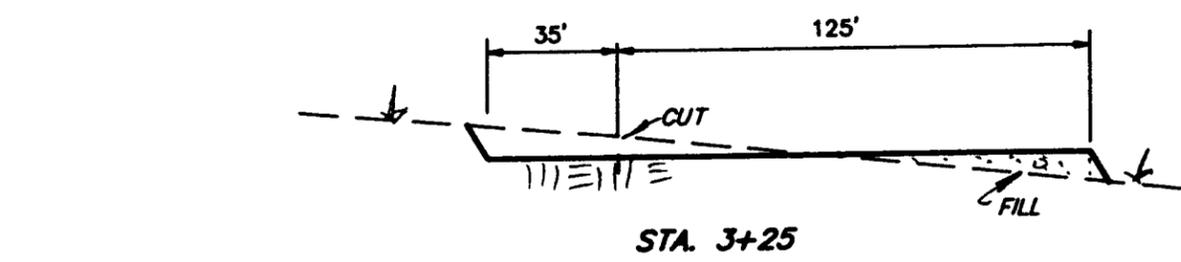
BEARD OIL CO.
LOCATION LAYOUT FOR
TANNER #1-27
SECTION 27, T28S, R3E, S.L.B.&M.



SCALE: 1" = 50'
 DATE: 1-3-90



TYP. LOCATION LAYOUT
TYP. CROSS SECTIONS



APPROXIMATE YARDAGES

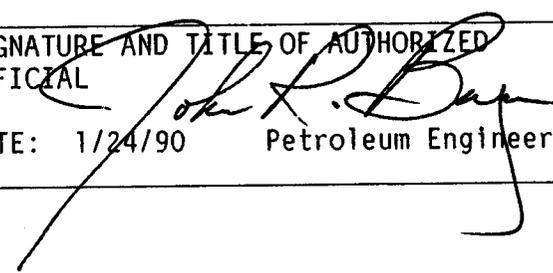
(6") Topsoil Stripping	= 1,185 Cu. Yds.	EXCESS MATERIAL AFTER 5% COMPACTION	= 3,849 Cu. Yds.
Pit Volume (Below Grade)	= 2,763 Cu. Yds.	Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,566 Cu. Yds.
Remaining Location	= 2,725 Cu. Yds.	EXCESS UNBALANCE (After Rehabilitation)	= 1,283 Cu. Yds.
TOTAL CUT	= 6,673 CU.YDS.		
FILL	= 2,682 CU.YDS.		

Elev. Ungraded Ground at Location Stake = **6989.9'**

Elev. Graded Ground at Location Stake = **6989.4'**

STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

-
1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
-
3. APPROXIMATE DATE PROJECT WILL START:
Upon Approval
-
4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Six County Commissioners Organization
-
5. TYPE OF ACTION: Lease Permit License Land Aquisition
 Land Sale Land Exchange Other _____
-
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
-
7. DESCRIPTION:
Beard Oil Company proposes to drill a wildcat well, the Tanner #1-27 on fee lease in Wayne County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The DOGM is the primary administrative agency in this case and must issue approval to drill before operations can commence.
-
8. LAND AFFECTED (site location map required) (indicate county)
SE/4, SE/4, Section 27, Township 28 South, Range 3 East, Wayne County, Utah
-
9. HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?
Unknown
-
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
Degree of impact is based on the discovery of oil or gas in commercial quantities.
-
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
Glenn Goodwin, Monticello, 587-2561
-
12. FOR FURTHER INFORMATION, CONTACT: 13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL
John Baza
PHONE: 538-5340
- 
DATE: 1/24/90
Petroleum Engineer
-

SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

HAROLD JACOBS
Chairman

WILLIAM D. HOWELL
Executive Director

P. O. Drawer A1 • Price, Utah 84501 • Telephone 637-5444

AREAWIDE CLEARINGHOUSE A-95 REVIEW

NOI ___ Preapp ___ App ___ State Plan ___ State Action X Subdivision ___ (ASP # 12-1128-2)

Other (indicate) _____ SAI Number UT891128-020

Applicant (Address, Phone Number):

Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Federal Funds:

Requested: _____

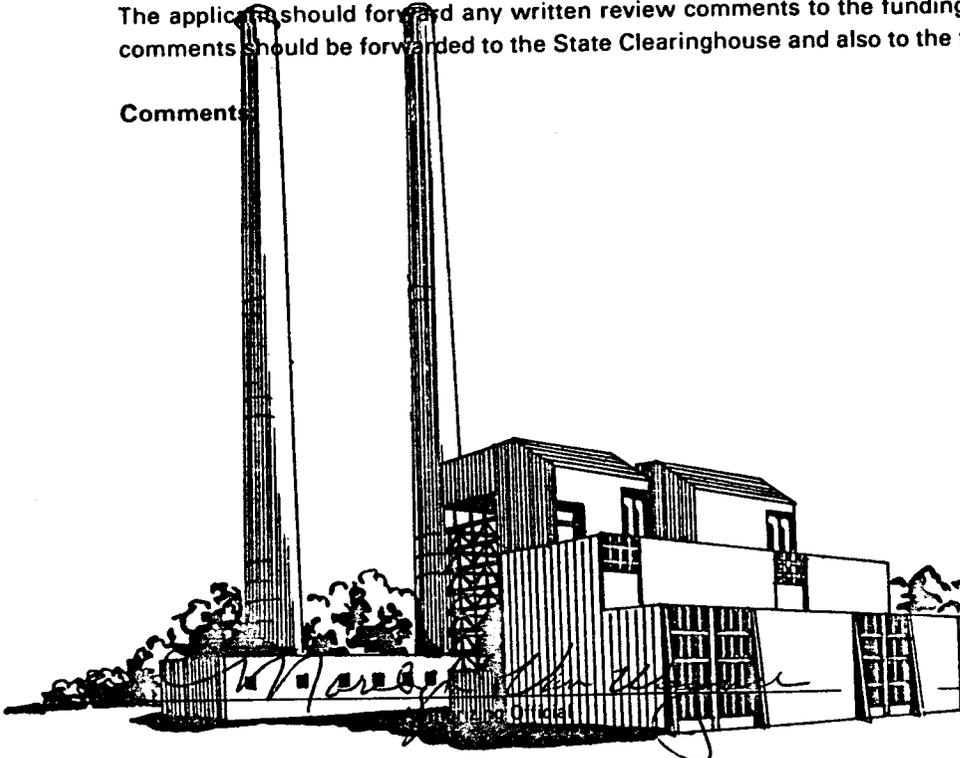
Title:

APPLICATION FOR PERMIT TO DRILL (William G. Bush)

- No comment
- See comments below
- No action taken because of insufficient information
- Please send your formal application to us for review. Your attendance is requested

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

Comments:



RECEIVED
JAN 25 1990

DIVISION OF
OIL, GAS & MINING

Date

REGIONAL CLEARINGHOUSE

DRILLING LOCATION ASSESSMENT

State of Utah
Division of Oil, Gas and Mining

OPERATOR: BEARD OIL COMPANY WELL NAME: TANNER 1-27
SECTION: 27 TWP: 28S RNG: 3E LOC: 660 FSL 660 FEL
QTR/QTR SE/SE COUNTY: WAYNE FIELD: WILDCAT
SURFACE OWNER: MR. TANNER
SPACING: 460 F SECTION LINE 460 F QTR/QTR LINE 920 F ANOTHER WELL
INSPECTOR: BRAD HILL DATE AND TIME: 1/29/90 12:00 PM

PARTICIPANTS: David Allred-Beard Oil Company

REGIONAL SETTING/TOPOGRAPHY: This site is located in the Southern High Plateau physiographic province about 1 mile west of Bicknell, Utah. It is in a relatively flat lying area in the center of the valley.

LAND USE:

CURRENT SURFACE USE: Domestic grazing.

PROPOSED SURFACE DISTURBANCE: A rectangular pad 325'X 160' will be constructed with a 160'X 75' extension for the reserve pit. Approximately 100 yds. of access road will be constructed.

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: This area contains only sparse vegetation consisting of: Sage, Snakeweed, Curly grass, and Prickly Pear./Deer, Birds, Insects, Rodents

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Sand with abundant cobbles and boulders.

SURFACE FORMATION & CHARACTERISTICS: Quaternary alluvium mostly made up of basaltic materials.

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation is occurring at present. The site should be fairly stable on a fresh surface.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Penn. Lime-6170', Mississippian-6990'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: Only onsite materials will be used for construction.

SITE RECLAMATION: As per land owner instructions.

RESERVE PIT

CHARACTERISTICS: The reserve pit will be rectangular in shape with dimensions of 160'X 75'X 8'.

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

MUD PROGRAM: 0-600'/fresh water or mud, 600-4000'/air, air mist or mud, 4000-7500'/air, air mist or mud, if water is encountered 6200-7500' Chemical (FWG)

DRILLING WATER SUPPLY: To be determined.

OTHER OBSERVATIONS

There is a fair amount of trash dumped around this site and the construction of the well pad may actually improve the state of the surface.

STIPULATIONS FOR APD APPROVAL

The reserve pit is to be lined with a synthetic liner of at least 12 mil thickness.

ATTACHMENTS

Photographs will be placed on file.

OPERATOR Beard Oil Company (N1295) DATE 1-18-90

WELL NAME Tanner 1-27

SEC SESE 27 T 28S R 3E COUNTY Wayne

43-055-30038
API NUMBER

Fee
TYPE OF LEASE

CHECK OFF:

(single well bond to be sent ASAP)

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well in T28S, R3E

Need Water Permit

Presite Received / 2-2-90

RDCC - Process 2-7-90

APPROVAL LETTER:

SPACING: R615-2-3 N/A R615-3-2
UNIT

N/A R615-3-3
CAUSE NO. & DATE

STIPULATIONS:

1. Fee Land Stipulation
2. Water Permit
3. The reserve pit shall be lined with a synthetic liner of at least 12 mil thickness.



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

February 9, 1990

Beard Oil Company
5600 North May Ave., Suite 200
Oklahoma City, Oklahoma 73112

Gentlemen:

Re: Tanner 1-27 - SE SE Sec. 27, T. 28S, R. 3E - Wayne County, Utah
660' FSL, 660' FEL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-2, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Beard Oil Company, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.
2. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.
3. The reserve pit shall be lined with a synthetic liner of at least 12 mil thickness.

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

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

Page 2
Beard Oil Company
Tanner 1-27
February 9, 1990

4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-055-30038.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

lcr
Enclosures
cc: Bureau of Land Management
D. R. Nielson
J. L. Thompson
WE14/7-8

Questar Joins Pipeline Partnership

300-Mile Western Colorado Line Proposed

QUESTAR PIPELINE Co, an interstate gas transmission subsidiary of Questar Corp, has joined a project to construct a 300-mile pipeline that would transport Rocky Mountain gas to markets in California and the Midwest.

Other partners in the TransColorado Pipeline project are WestGas, a subsidiary of Public Service Co of Colorado, and Rocky Mountain Natural Gas, a K N Energy Inc subsidiary.

The proposed line would run from the Piceance Basin northeast of Grand Junction, Colorado, to Ignacio, in the southwestern corner of the state. It would connect with existing interstate pipelines running from Texas to Southern California and the Midwest. The line could transport 250-300 million cu ft of gas daily from western

Colorado and other producing basins in Wyoming and Utah.

WestGas and Rocky Mountain Natural Gas, both of which operate intrastate gas systems in Colorado, formed TransColorado last year. Questar Pipeline, as the third partner, will provide financial support, additional accessibility to Rocky Mountain gas-producing basins, and interconnections with other major interstate pipeline systems.

Salt Lake City-based Questar Pipeline operates a 2,400-mile gas transmission and storage system in Colorado, Wyoming and Utah. Last month, the company disclosed plans to construct an 81-mile, 20-inch pipeline to connect its northern and southern gas transmission systems in northeastern Utah (PI 1-11-90).

Wildcat Staked Near Utah's Aneth Field

CHUSKA ENERGY has scheduled a 6300-ft test of Paradox zones in southeastern Utah's San Juan County about 10 miles north of Aneth.

The 8-D-1 Cañon Mesa, nw nw 8-40s-25e, is a mile west of an Ismay discovery in nw nw 9-40s-25e that has produced about 29,000 bbls of oil and 25.8 million cu ft of gas since its completion in 1977. That well, now operated by Max D. Webb, currently is producing about four bbls of oil per day. It was originally completed by the Sanchez-O'Brien Group in Ismay at 6034-50 ft.

Chuska's new wildcat is about two and a half miles northeast of Ismay/Desert Creek production in the giant Aneth field. It's within six miles west of two Paradox tests staked by the company last month in nw se 1-40s-25e and ne ne 7-40s-26e (PI 1-26-90). In recent months, the company has completed two high-volume producers on the southern flank of Aneth field (PI 12-4-89, 1-17-90).

More regional drilling news beginning on Page 18, following the Montana state sale description.

Erratum

The drop in the January seismic crew count (PI 2-13-90) was incorrectly attributed to Digicon Inc. Seis Pros, a subsidiary of Tulsa-based PGI, shut down nearly all of its U.S. operations at the end of December, which accounted for bulk of the decline in active crews. Seis Pros, which had been operating eight crews domestically, now has only one crew working in the U.S. (the other is in the U.S.S.R.).

Digicon, although having filed for reorganization under Chapter 11, is maintaining its data acquisition operations. The company currently has domestic land crews operating in Michigan, Wyoming and south Texas, along with two vessels working in the Gulf of Mexico.

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ROCKY MOUNTAIN

REGION REPORT

OIL AND GAS

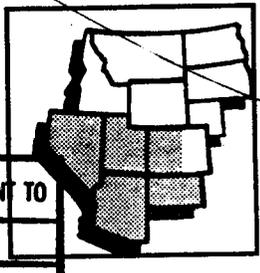
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Vol. 63, No. 32
2-14-90



Carbon Dioxide Test Staked in Wayne County Utah

BEARD OIL has scheduled a carbon dioxide gas test in the Kaiparowits region near the town of Bicknell in south-central Utah.

The 1-27 Tanner, se se 27-28s-3e, western **Wayne County**, is projected to 7500 ft in Mississippian.

Oklahoma City-based Beard, one of the nation's leading independent producers of CO₂, is one of the largest owners of CO₂ reserves in McElmo Dome field near Cortez in southwestern Colorado. The company also

owns a lease block comprising approximately 192,029 acres (as of year-end 1988) in Wayne, Garfield and Piute counties, Utah, within which the 1-27 Tanner will be drilled.

If the 1-27 Tanner venture is successful, Beard said up to five other CO₂ wells may be drilled in the area. Among the company's options in the event the drilling program is successful are pipelines either to southern California or to the Cortez area. Beard has a 100 percent working interest in

the wildcat.

Beard's new venture is approximately 25 miles north of a shut-in CO₂ discovery drilled by Mid-Continent Oil & Gas Reserves Inc in 1983. That well, the 1 Charger in se sw 29-32s-3e, northern Garfield County, was air-drilled to a total depth of 3443 ft and encountered some 2000 ft of effective pay in a number of Triassic and Permian zones beginning at about 1354 ft. Flow rates as high as 124 million cu ft daily of CO₂ were gauged.

Global Adds to Raton Basin Coal Seam Program

GLOBAL NATURAL Resources Corp, Houston, has scheduled two more coal seam tests on the western flank of the Raton Basin 11-16 miles southwest of Weston in southern Colorado. Both are within the Beaubien & Miranda grant in western Las Animas County.

The 1 Gonzales Canyon, n/2 s/2 15-35s-69w, is projected to 6168 ft to evaluate Vermejo, Pierre, Niobrara and Dakota. The 1 Spring Canyon, nw ne 15-35s-68w, about six miles to the east, will be drilled to about 5500 ft and will evaluate the same zones.

Global recently staked three tests

of the Vermejo and Raton coal seams in 15-35s-67w and 15-35s-68w (PI 2-5-90). No activity has been reported at those sites.

The new locations are within 10 miles of a coal gas program being carried out by Meridian Oil on the 24,071-acre Apache Canyon lease in 34s-67w and 34s-68w.

Exeter Drilling, which is under

contract for Global Natural's new tests, has had two rigs working on Meridian's program.

Meridian recently completed a lease agreement with Western Oil Corp, a subsidiary of K N Energy Inc, that gives Meridian rights to explore for 12,400 acres owned by Western in this part of the Raton Basin (PI 2-13-90).

The weekly review of activity in the Four Corners area appears on Page 3.

NEWSLETTER
DAILY ACTIVITY REPORT
WESTERN COLORADO
UTAH
NEW MEXICO
ARIZONA & NEVADA

SECTION I
SECTION II
SECTION III
SECTION IV
SECTION V
SECTION VI

Petroleum Information

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DIVISION OF OIL, GAS AND MINING

API NO. 43-055-30038

SPUDDING INFORMATION

NAME OF COMPANY: BEARD OIL COMPANY

WELL NAME: TANNER 1-27

SECTION SE 27 TOWNSHIP 28S RANGE 3E COUNTY WAYNE

DRILLING CONTRACTOR OLSEN DRILLING

RIG # 7

SPUDED: DATE 4/27/90

TIME 3:30 p.m.

How ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY BORTHA FOWLER

TELEPHONE # 405-842-2333

DATE 4/27/90

SIGNED TAS

TAKEN BY: MIKE LANE



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

Norman H. Bangarter
Governor
Dee C. Hansen
Executive Director
Robert L. Morgan
State Engineer

Southern Area
130 North Main Street
P.O. Box 563
Richfield, Utah 84701-0563
801-896-4429

RECEIVED
MAY 25 1990

DIVISION OF
OIL, GAS & MINING

May 17, 1990

Don R. Edwards
c/o Beard Oil Company, David Allred, Agent
P.O. Box 57
Bicknell, Utah 84715

Temporary Application: t90-95-13

Dear Sir:

The above numbered temporary change application has been approved subject to prior rights.

The period of use for the temporary change application is from January, 01 1990 to December 31, 1990.

Copies are herewith returned to you for your records and future reference.

Sincerely,

M. Stanley Adams, P.E.
Area Engineer
for Robert L. Morgan
State Engineer

Tanner 1-27 43-055-30038

RLM/MSA/clw

enclosure

43-055-30038

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
CEMENTING OPERATIONS

COMPANY NAME: BEARD OIL Co.

WELL NAME: TANNER 1-27

QTR/QTR SE/SE SECTION 27 TOWNSHIP 28S RANGE 03E

CEMENTING COMPANY: Dowell Schlumberger WELL SIGN yes

INSPECTOR: John L. BARRIER DATE: 5-3-90
5-4-90

CEMENTING OPERATIONS:

PLUGBACK: _____ SQUEEZE: _____ CASING: _____ P-A ZONE: _____

SURFACE CASING: INTERMEDIATE _____ PROD CASING: _____

PERFORATIONS _____ SQUEEZE PRESSURE _____

CASING INFORMATION:

SIZE 13 3/8" GRADE: WC-55 HOLE SIZE: 17 1/2" DEPTH: 685
48# ST&C 681.5' Net.

SLURRY INFORMATION:

1. CLASS: 20 H₂O ahead.
LEAD: 320 SX 35 POC 65 G TAIL: 200 SX G w/ 20% CaCl₂

2. SLURRY WEIGHT:
LEAD: 12.6 TAIL: 15.8

3. WATER (GAL/SK)
LEAD: 11 gal TAIL: 4.97

4. COMPRESSIVE STRENGTH
PSI @ 1300 psi - HR 8 hr
2500 16 hr

PIPE CENTRALIZED yes. (5 cont. returns) CEMENTING STAGES 1

LOST RETURNS No REGAIN RETURNS N/A BARRELS LOST None

TOP OF CEMENT Circ 80Bbls PERF INTERVAL N/A

CEMENT TO SURFACE? yes.

ADDITIONAL COMMENTS: Ran 16 Jt. 13 3/8, WC-55, ST&C 48# CSG - 681.5' (Net)

Landed @ 6183' - cont'd w/ 520 SX (as Above) cont Circ 80Bbls slurry to Pit
(Float Did Not Hold) (Plug Bumped w/ 200 psi) Winrock Drilling Co - Rig #7

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

COMPANY: BEARD OIL Co. REPRESENTATIVE: Dave Allred.

WELL NAME: TANNER 1-27 API# 43-055-30038

QTR/QTR SE/SE SECTION 27 WELLSIGN Y TWP 28S RANGE 3E

INSPECTOR: John L. BERRIER DATE: 5-5-90

DRILLING CONTRACTOR WIMROCK DRILLING Co. RIG # 7

RIG OPERATIONS: Nippling up BOPE

DEPTH 685 LAST CASING 13 3/8 @ 683

TEST BY Double Jack WATER ✓ MUD: _____

PRESSURE RATING OF STACK 3000* H2S RATED YES (H2S & CO2)

TEST PRESSURES 3000 1 KELLYCOCK: UPPER No LOWER N/A-

INSIDE BOP ✓ FULL OPENING VALVE ON FLOOR yes.

WRENCH FOR FULL OPENING VALVE/KELLYCOCK ON FLOOR yes.

STACK - LISTED AS ARRANGED - TOP TO BOTTOM: WELLHEAD. 3000*, 13 3/8 National

1. Drilling Head
2. Annular. (Hydril) Tested to 1500*
3. Blind Rams.
4. Pipe Rams.
5. Spacer Spool
6. Spacer Spool

ADDITIONAL COMMENTS: Had problems w/ Pipe Rams sealing. Changed out seal rubbers.

(OK) could not work upper Kelly Cock. Will change out ASAP. (Tomorrow 5/6/90)

REPORTED BY: Dave Allred. PHONE: 425-3842

DATE: 5-5-90 SIGNED: John L. Berrier

(IF TESTED BY INDEPENDENT COMPANY, ATTACH COPY OF TEST)

OPERATOR Beard Oil Co.

OPERATOR ACCT. NO. N 1295

ADDRESS 5600 North May Ave

Suite 200 Oklahoma City, Okla 73112

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	11090	43-055-30038	Tanner 1-27	SE	27	285	3E	Wayne	4-27-90	
<p>WELL 1 COMMENTS: Well spudded on 4-27-90 @ 3:30am, Ran Surface Casing to 681' on 5-6-90 and Circulated 20 bbls of good Cement to Surface. Witness by State of Utah (John Bernier). Nipple up BOP and test all BOP Equipment. Witness by State of Utah (John Bernier)</p>											
<p>WELL 2 COMMENTS: Fee-lease Proposed Zone - mssp Field - Wildcat (New entity 11090 added 5-23-90 eff. 4-27-90) for Unit - N/A</p>											
<p>WELL 3 COMMENTS:</p>											
<p>WELL 4 COMMENTS:</p>											
<p>WELL 5 COMMENTS:</p>											

RECEIVED
MAY 21 1990

DIVISION OF
OIL, GAS & MINING

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.

David A. Alford
Signature
Petroleum Engineer 5-10-90
Title Date

Reg Phone → Phone No. (801) 425-3842

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

COMPANY: BEARD OIL Co. REPRESENTATIVE: DAVE ALLRED

WELL NAME: TANNER #1-27 API# 43 055 30038

QTR/QTR SESE SECTION 27 WELLSIGN y TWP 28S RANGE 03E

INSPECTOR: MICHAEL LAINE DATE: 6/12/90

DRILLING CONTRACTOR WINROCK DRILLING Co. RIG # 7

RIG OPERATIONS: SETTING INTERMEDIATE CASING / NIPPLING UP BOPE

DEPTH 3400 LAST CASING 9 5/8" @ 3397'

TEST BY DOUBLE J FEL WATER YES MUD

PRESSURE RATING OF STACK 3000 H2S RATED YES

TEST PRESSURES 3000 / KELLYCOCK: UPPER LOWER

INSIDE BOP YES FULL OPENING VALVE ON FLOOR YES

WRENCH FOR FULL OPENING VALVE/KELLYCOCK ON FLOOR YES

STACK - LISTED AS ARRANGED - TOP TO BOTTOM:

1. DRILLING HEAD
2. ANNULAR (HYDRIL) 1500 PSI
3. BLIND RAMS
4. PIPE RAMS
5. SPOOL (20")
6. SPOOL (26")

ADDITIONAL COMMENTS: WELL HAS BEEN SIDETRACKED SINCE LAST BOPE TEST ON
5/5/90, 1.) PIPE RAMS, OUTSIDE MANUAL CHOKER 2.) 4 1/2 FT PIPE RAMS, 3.) HYDRIL (1500 PSI)
4.) BLIND RAMS INSIDE CHOKER MANIFOLD 5.) KILL LINE (400 PSI) 6.) CASING (500 PSI) 7.) UPPER KELLY / OK.

REPORTED BY: DAVE ALLRED PHONE: 425-3842

DATE: 6/12/90 SIGNED: MICHAEL LAINE

(IF TESTED BY INDEPENDENT COMPANY, ATTACH COPY OF TEST)

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File anna 1-27

Suspense
(Return Date) _____
(To - Initials) _____

Other

(Location) Sec 27 Twp 28 S Rng 3 E
(API No.) _____

1. Date of Phone Call: 6-19-90 Time: ~10:35

2. DOGM Employee (name) Gil Hunt (Initiated Call)
Talked to:

Name David Brinkerhoff (Initiated Call) - Phone No. (801) 425-3508
of (Company/Organization) Concerned Citizen

3. Topic of Conversation: H₂S from Beard Oil drilling (rig) location
near Bicknell, Utah.

4. Highlights of Conversation: Mr. Brinkerhoff expressed extreme
concern about eye, nose and head irritation
from probable H₂S gas from Beard Oil drilling
location near his home. Said his family had
headaches, sore eyes etc. wanted to know
what danger was and what he could do.
Said several workers including tool pusher had
quit because of danger.

CC: S. Baga

DOUBLE JACK TESTING & SERVICES, INC.

B.O.P. TEST REPORT

RECEIVED
JUN 28 1990

DIVISION OF
OIL, GAS & MINING

B.O.P. Test performed on (date) 6-12-90

Oil Company Beard Oil Co

Well Name & Number Yanner #1-27

Section 27 API # 43-055-30038

Township 28 S

Range 3 E

County Wayne

Drilling Contractor Olsen

Oil Company Site Representative Dave

Rig Tool Pusher Gene

Tested out of Vernal

Notified Prior to Test State

Copies of this test report sent to: State

Beard Oil

Olsen Drilling

Original chart & test report on file at: Vernal Office

OIL AND GAS	
DPN	R/F
JFB	GLH
DTS	SLS
1-JLT	
2-	MICROFILM ✓
3-	FILE

Tested by: Double Jack Testing & Services, Inc
 608 North Vernal Avenue
 Vernal, Utah 84078
Mark Abbott & Don Morris

COMPANY

LEASE AND WELL NAME #

DATE OF TEST

RIG # AND NAME

Beard Oil

Yanner #1-27

6-12-90

WinRock #7

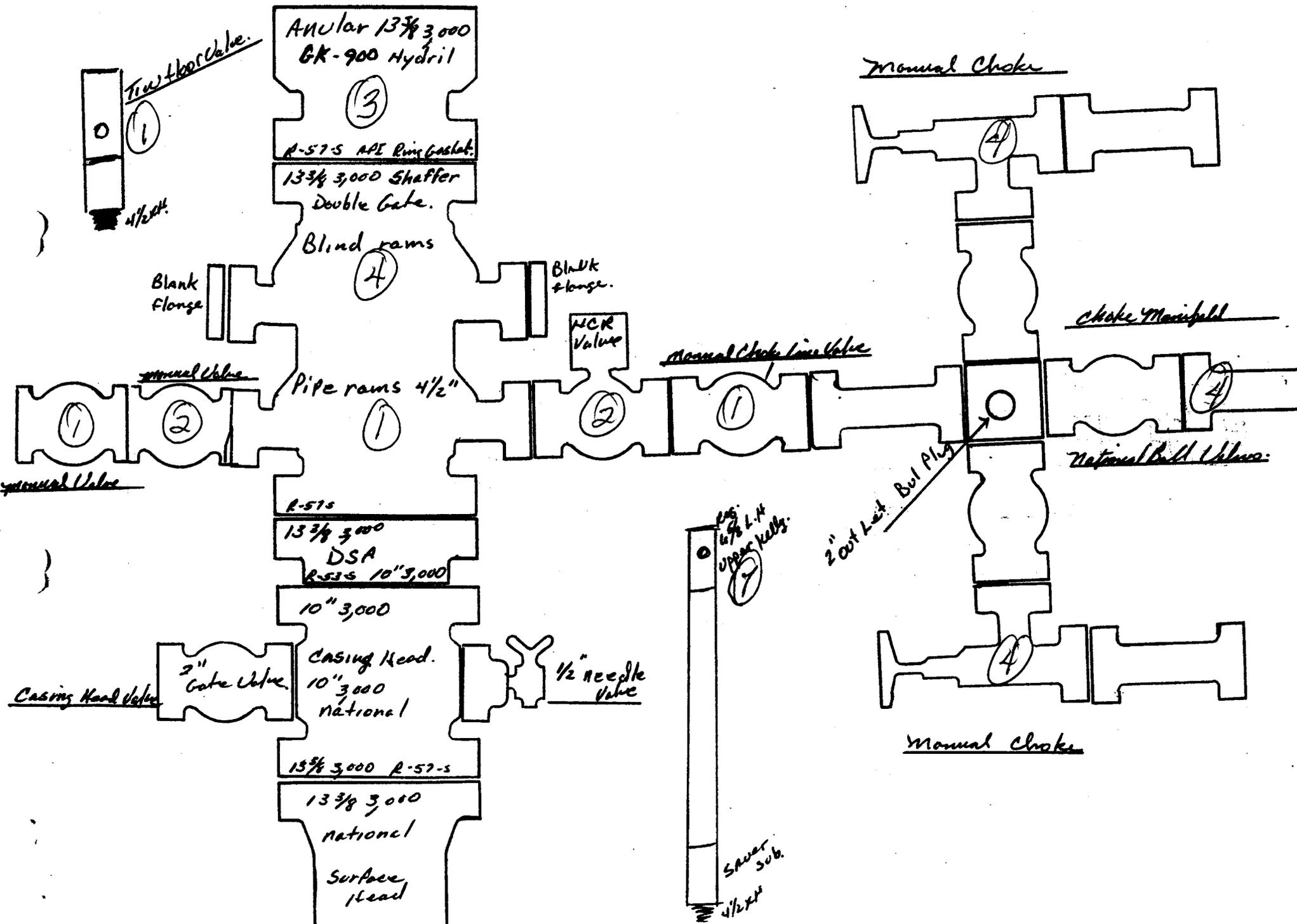
TEST #	TIME	
①	4:02 - 4:20	4 1/2" pipe rams, outside manual choke, outside manual kill 3000
②	4:32 - 4:42	4 1/2" pipe rams, inside kill valve, HCR & TIW 3,000 PSI
③	4:50 - 5:00	Hydrill 1500 PSI
④	5:21 - 5:31	Blinds, inside choke manifold 3,000 PSI
⑤	5:34 - 5:45	Kill line 1500 PSI between stand pipe & kill line
⑥	6:26 - 6:31	Casing 500 PSI
⑦	6:42 - 6:53	Upper Kelly 3,000 PSI

Beard Oil

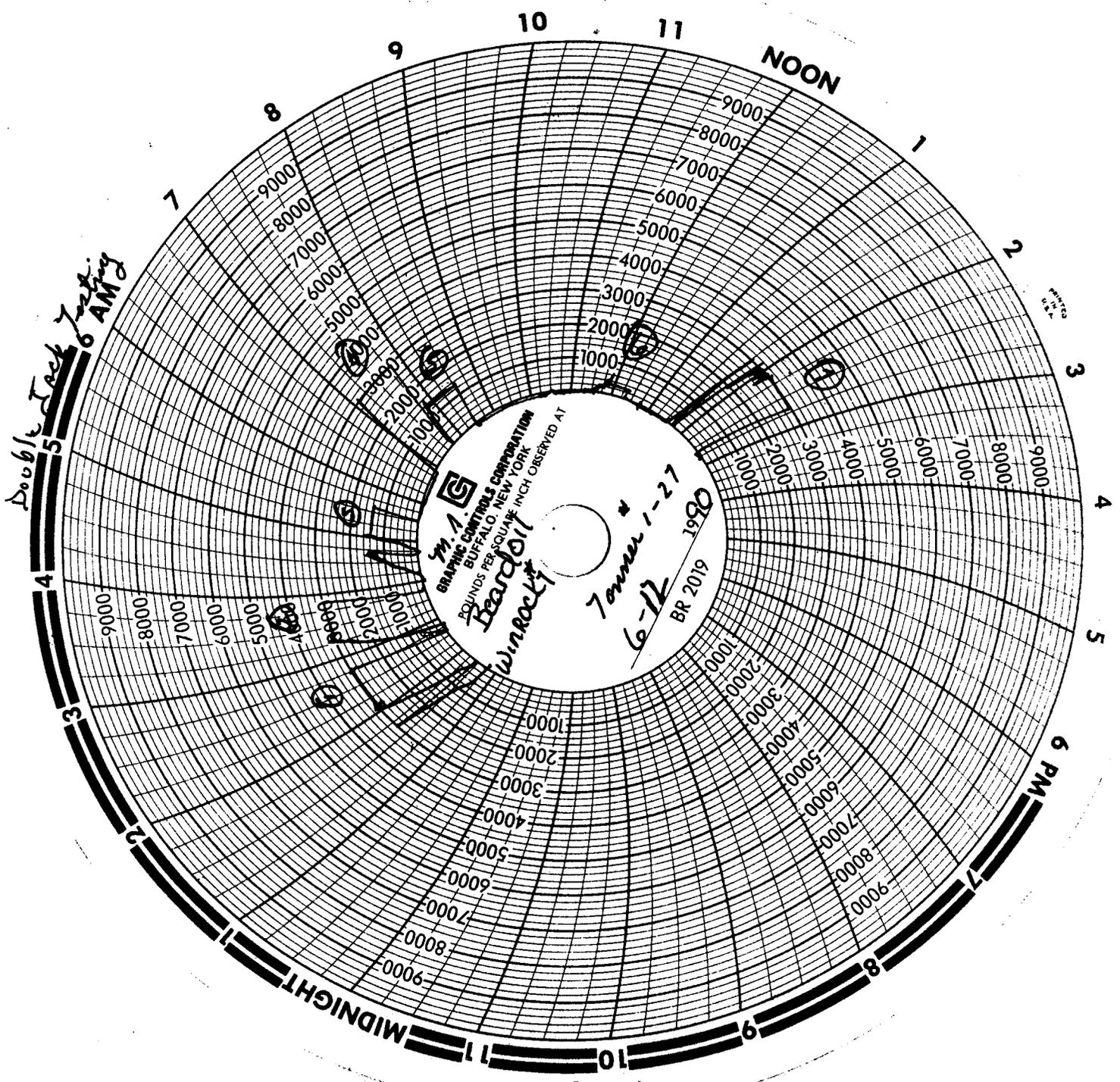
Tanner #1-27

Winlock Chumley #7

4/12/90



Double Jack Tank
6 AM



BAKER SERVICE TOOLS

56 Inverness Drive East
Englewood, CO 80112

Phone (303) 790-2705

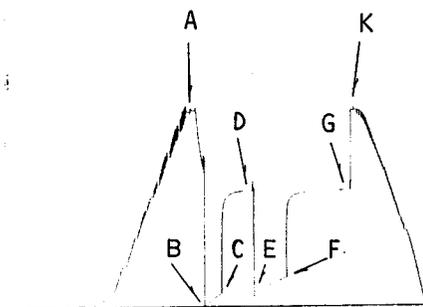
Contractor Win Rock Drlg.	Surface Choke 1/4"	Mud Type --
Rig No. 7	Bottom Choke 3/4"	Weight 8.7
Spot SE/SE	Hole Size 6 1/8"	Viscosity 57
Sec. 27	Core Hole Size --	Water Loss --
Twp. 28 S	DP Size & Wt. 3 1/2" 15.50	Filter Cake --
Rng. 3 E	Wt. Pipe None	Resistivity 1.1 @ 80 °F
Field Wildcat	I.D. of DC 2 1/4"	4,617 Ppm. NaCl
County Wayne	Length of DC 455'	B.H.T. 126 °F
State Utah	Total Depth 7100'	Co. Rep. Dave Allred
Elevation 7002' KB	Type Test Inflate Straddle	Tester Rick Hanson
Formation Limestone	Interval 6200' - 6290'	Baker Dist. Gillette WY

Operator
Tanner #1-27
Ticket No. 127-74469
Date 7/15/90

	REPORTED	CORRECTED	
Opened Tool @	12:40		hrs.
Flow No. 1	30	32	min.
Shut-In No. 1	60	60	min.
Flow No. 2	60	60	min.
Shut-In No. 2	120	120	min.
Flow No. 3	None Taken		min.
Shut-In No. 3			min.

Recorder Type Kuster K-3
No. 22568 Cap. 6625 psi
Depth 6207 feet
Inside _____ Clock _____
Outside x Range 24 hrs.

Initial Hydrostatic	A	2826.5
Final Hydrostatic	K	2825.1
Initial Flow	B	47.1
Final Initial Flow	C	204.6
Initial Shut-In	D	1671.3
Second Initial Flow	E	233.8
Second Final Flow	F	437.6
Second Shut-In	G	1671.1
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-In	J	



Pipe Recovery: **885' Total fluid = 4.99 bbl., consisting of:**
240' Muddy water = 1.54 bbl.
645' Gassy water = 3.45 bbl.

Resistivity:	
Top:	1.0 @ 86 Deg F/.70 @ Res Temp = 4,758 ppm NaCl., 2,892 ppm Cl.
Middle:	1.1 @ 84 Deg F/.75 @ Res Temp = 4,402 ppm NaCl., 2,676 ppm Cl.
Bottom:	1.1 @ 84 Deg F/.75 @ Res Temp = 4,402 ppm NaCl., 2,676 ppm Cl.

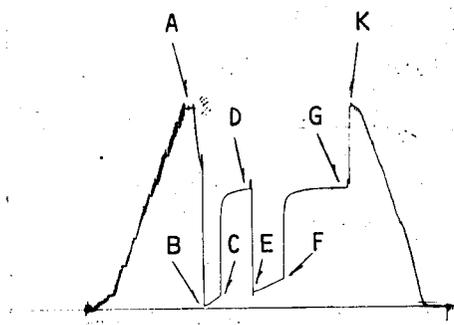
Well Name & No. **TANNER #1-27**
Location **SE/SE S-27 T-28S R-3E**
County, State **WAYNE COUNTY, UT**
DST No. **1**
Interval **6200' - 6290'**
Formation **LIMESTONE**

BAKER SERVICE TOOLS

Beard Oil Co.
Operator

Tanner #1-27
Well Name and No.

1
DST No.



Recorder Type Kuster K-3
No. 21441 Cap. 6450 psi
Depth 6207 feet
Inside _____ Clock _____
Outside x Range 24 hrs.

Initial Hydrostatic	A	<u>2813.5</u>
Final Hydrostatic	K	<u>2816.5</u>
Initial Flow	B	<u>39.3</u>
Final Initial Flow	C	<u>182.8</u>
Initial Shut-In	D	<u>1667.4</u>
Second Initial Flow	E	<u>233.4</u>
Second Final Flow	F	<u>411.7</u>
Second Shut-In	G	<u>1667.2</u>
Third Initial Flow	H	_____
Third Final Flow	I	_____
Third Shut-In	J	_____

Recorder Type --
No. _____ Cap. _____ psi
Depth _____ feet
Inside _____ Clock _____
Outside _____ Range _____ hrs.

Initial Hydrostatic	A	_____
Final Hydrostatic	K	_____
Initial Flow	B	_____
Final Initial Flow	C	_____
Initial Shut-In	D	_____
Second Initial Flow	E	_____
Second Final Flow	F	_____
Second Shut-In	G	_____
Third Initial Flow	H	_____
Third Final Flow	I	_____
Third Shut-In	J	_____

BAKER SERVICE TOOLS

Beard Oil Co.

Tanner #1-27

1

Operator

Well Name and No.

DST No.

TIME	CHOKE SIZE	SURFACE PRESSURE	FLOW RATE MCF/D	LIQUID	REMARKS
12:40 hr. 0	1/4"	1"			Opened for initial flow:
5		3 1/2"			
10		4 1/2"			
15		7"			
20		8 1/2"			
25		10"			
13:10 hr. 30		11 1/2"			Closed for initial shut-in:
25		Dead			
60		Dead			
14:10 hr. 0		Surface			Opened for final flow:
5		1 1/2"			
10		3"			
15		4 1/2"			
20		6"			
25		7 1/2"			
30		9"			
35		10"			
40		11"			
45		12"			
50		13"			
55		13"			
15:10 hr. 60		13"			Closed for final shut-in:
12		Dead			
17:10 hr. 120		Dead			Pulled tool:

BAKER SERVICE TOOLS

SAMPLER REPORT

Company Beard Oil Co. Date 7/15/90
Well Name & No. Tanner #1-27 Ticket No. 127-74469
County Wayne State Utah
Test Interval 6200' - 6290' DST No. 1

Pressure in Sampler: 87 psig
Total Volume of Sampler: 2800 cc.
Total Volume of Sample: 2300 cc.
Oil: None cc.
Water: 2300 cc.
Mud: None cc.
Gas: 0.15 cu. ft.
Other: None

Sample RW: 1.0 @ 84 Deg F/.75 @ Res Temp = 4,402 ppm NaCl., 2,676 ppm Cl.

Resistivity

Make Up Water 9.0 @ 76 °F of Chloride Content 532 ppm.

Mud Pit Sample 1.1 @ 80 °F of Chloride Content 4,617 ppm.

Gas/Oil Ratio _____ Gravity _____ °API @ _____ °F

Where was sample drained On Location.

Remarks: _____

BAKER SERVICE TOOLS

Beard Oil Co.
Operator

Tanner #1-27
Well Name and No.

1
DST No.

RECORDER NO. 22568 DEPTH 6207 FT.

INITIAL FLOW

<u>DT(MIN)</u>	<u>PRESSURE(P SIG)</u>
0	47.1
5	57.2
10	88.9
15	119.9
20	148.6
25	171.8
30	197.2
32	204.6

RECORDER NO. 22568 DEPTH 6207 FT.

FINAL FLOW

<u>DT(MIN)</u>	<u>PRESSURE(P SIG)</u>
0	233.8
5	243.3
10	264.5
15	284.0
20	302.0
25	319.8
30	335.7
35	353.2
40	371.2
45	388.2
50	406.8
55	422.3
60	437.6

BAKER SERVICE TOOLS

Beard Oil Co.

Operator

Tanner #1-27

Well Name and No.

1

DST No.

RECORDER NO. 22568 DEPTH 6207 FT.

INITIAL SHUT-IN

INITIAL FLOW TIME: T = 32 MIN.

<u>DT(MIN)</u>	<u>LOG((T+DT)/DT)</u>	<u>PRESSURE(P SIG)</u>	<u>DP(P SIG)</u>
0		204.6	0.0
1	1.519	931.7	727.1
2	1.230	1259.6	1055.0
3	1.067	1388.6	1183.9
4	0.954	1457.9	1253.3
5	0.869	1495.6	1291.0
6	0.802	1519.5	1314.9
7	0.746	1536.0	1331.4
8	0.699	1551.4	1346.8
9	0.659	1562.4	1357.8
10	0.623	1572.9	1368.3
12	0.564	1590.5	1385.8
14	0.517	1602.8	1398.2
16	0.477	1614.3	1409.7
18	0.444	1622.8	1418.2
20	0.415	1628.0	1423.4
22	0.390	1636.2	1431.6
24	0.368	1641.4	1436.8
26	0.348	1645.7	1441.1
28	0.331	1649.5	1444.9
30	0.315	1651.7	1447.0
35	0.282	1657.3	1452.7
40	0.255	1660.1	1455.5
45	0.233	1662.5	1457.8
50	0.215	1666.7	1462.1
55	0.199	1668.7	1464.1
60	0.186	1671.3	1466.7

EXTRAPOLATED PRESSURE: 1700.0 PSI

SLOPE: 155.4 PSI/LOG CYCLE

POINTS USED: 10

BAKER SERVICE TOOLS

Beard Oil Co.
Operator

Tanner #1-27
Well Name and No.

1
DST No.

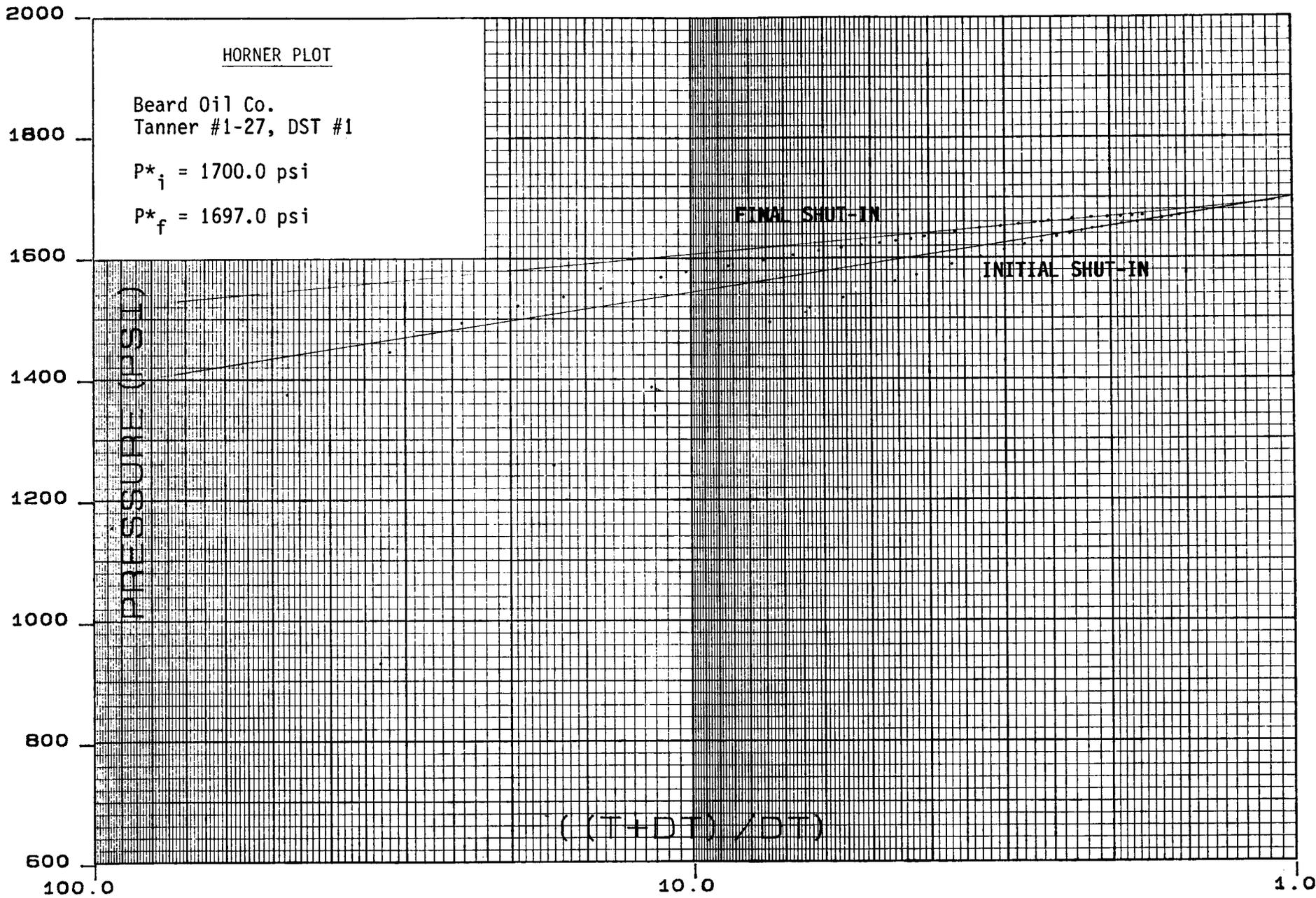
RECORDER NO. 22568 DEPTH 6207 FT.

FINAL SHUT-IN

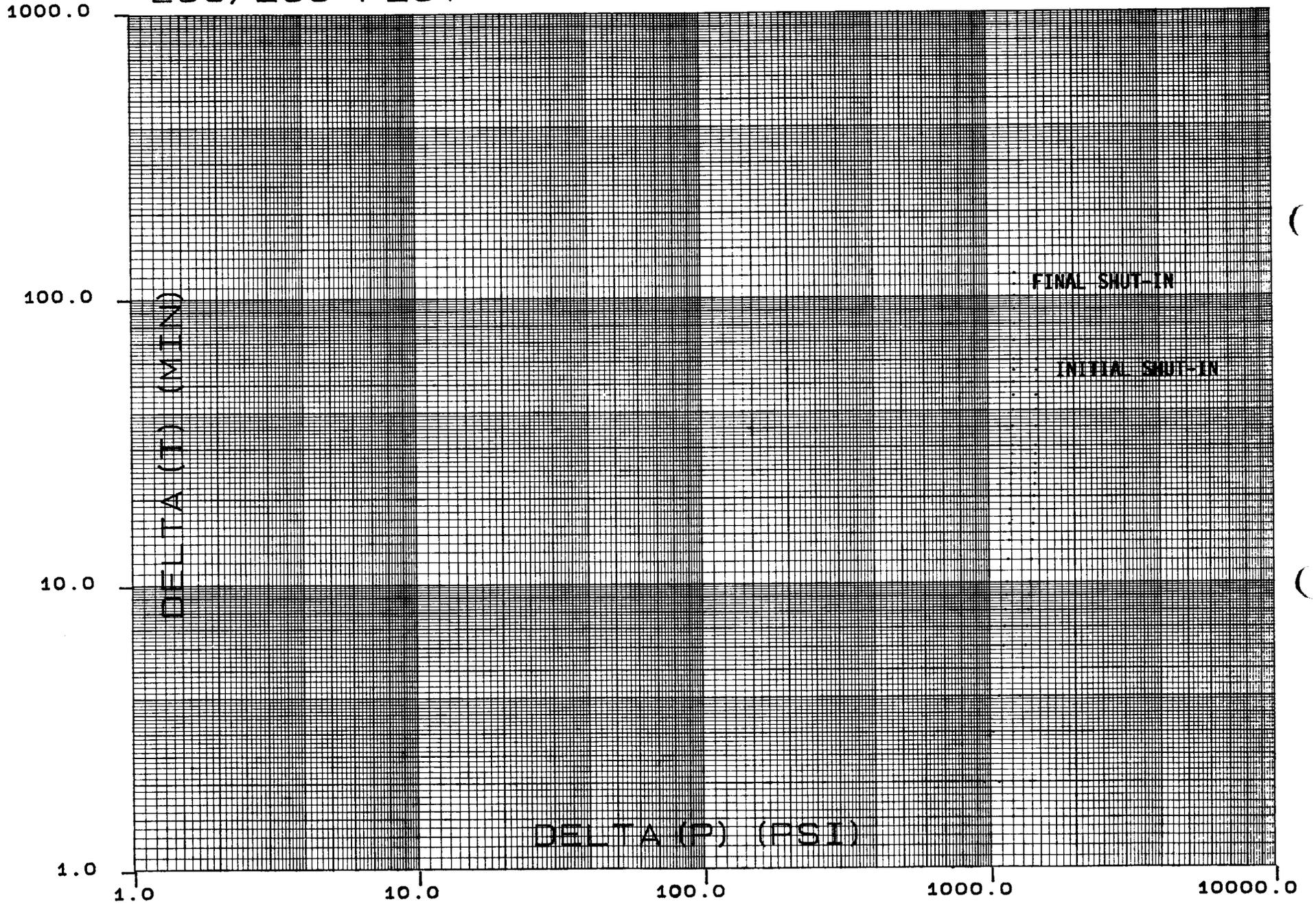
TOTAL FLOW TIME: T = 92 MIN.

<u>DT(MIN)</u>	<u>LOG((T+DT)/DT)</u>	<u>PRESSURE(PSIG)</u>	<u>DP(PSIG)</u>
0		437.6	0.0
1	1.968	1156.6	719.0
2	1.672	1375.9	938.3
3	1.501	1446.3	1008.7
4	1.380	1494.2	1056.6
5	1.288	1522.3	1084.7
6	1.213	1537.4	1099.8
7	1.151	1551.4	1113.8
8	1.097	1559.6	1122.1
9	1.050	1569.8	1132.2
10	1.009	1578.3	1140.8
12	0.938	1588.5	1150.9
14	0.879	1598.1	1160.5
16	0.829	1606.3	1168.7
18	0.786	1613.1	1175.5
20	0.748	1618.0	1180.4
22	0.714	1622.1	1184.5
24	0.684	1625.3	1187.7
26	0.657	1629.1	1191.5
28	0.632	1631.8	1194.2
30	0.609	1636.1	1198.6
35	0.560	1643.7	1206.1
40	0.519	1649.6	1212.0
45	0.484	1653.0	1215.4
50	0.453	1656.7	1219.1
55	0.427	1659.6	1222.0
60	0.404	1661.6	1224.0
70	0.364	1665.1	1227.5
80	0.332	1667.8	1230.2
90	0.306	1668.8	1231.3
100	0.283	1669.0	1231.5
110	0.264	1670.1	1232.5
120	0.247	1671.1	1233.5

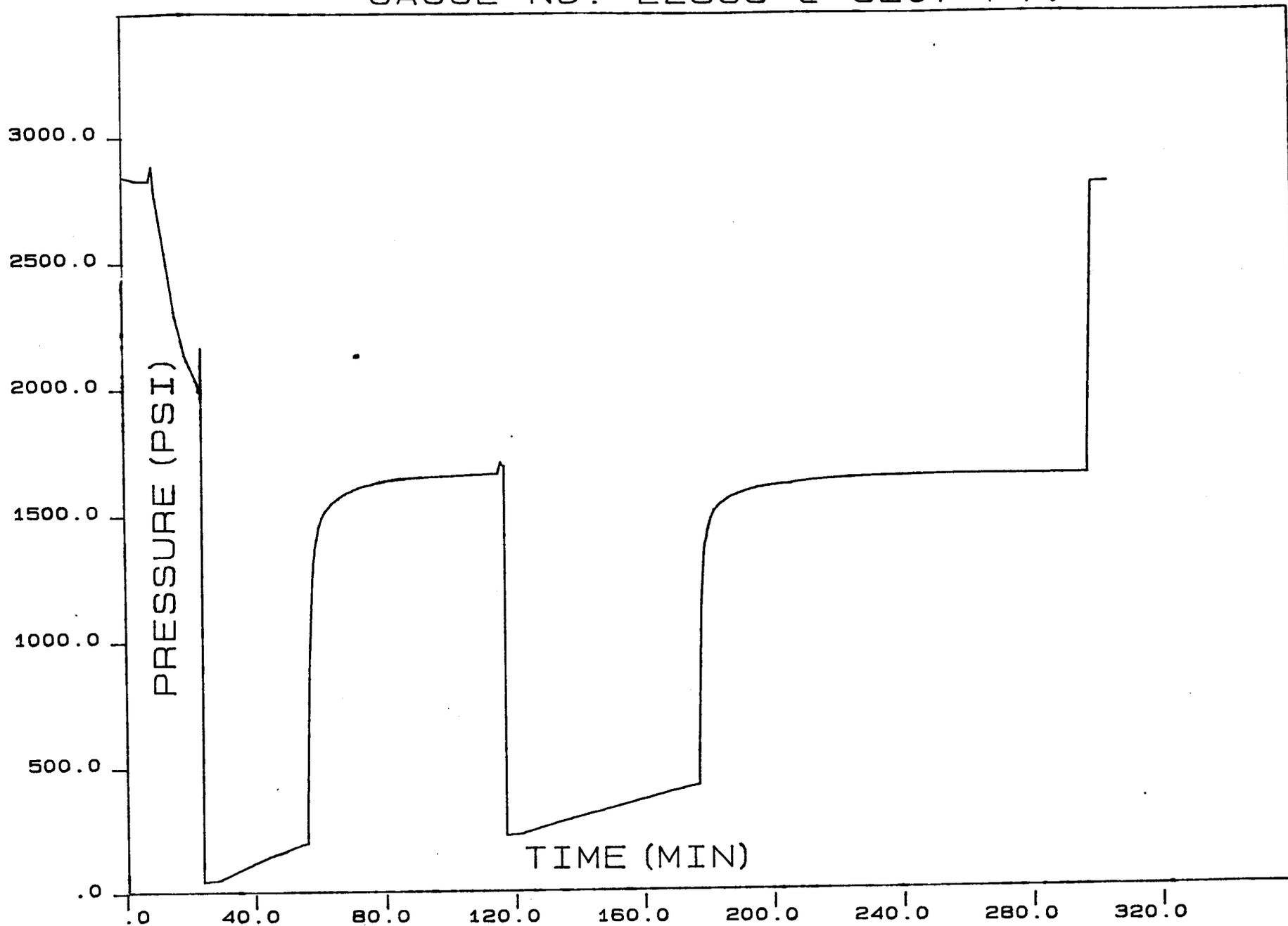
EXTRAPOLATED PRESSURE: 1697.0 PSI
SLOPE: 93.0 PSI/LOG CYCLE
POINTS USED: 13



LOG/LOG PLOT



GAUGE NO. 22568 @ 6207 FT.



BAKER

SERVICE TOOLS

DISTRIBUTION OF FINAL REPORTS

Beard Oil Co.
Operator

Tanner #1-27
Well Name and No.

Beard Oil Co. 6
5600 North May Ave.
Oklahoma City OK 73112

WELL HISTORY

PAGE -1-

BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

04-11-90: MI dirt moving equipment. Had pre-spud meeting with all parties involved. Started building location on 4-11-90. Expect to set conductor 4-14-90. Expect to start MI rig on 4-16-90. Expect to spud 4-20-90 or 4-21-90, schedule depends on weather.

04-12-90: Building location.

04-13-90: Building location.

04-14-90: Building location.

04-15-90: Building location.

04-16-90: Building location.

04-17-90: Building location.

04-18-90: MI mouse hole & rat hole digger to start drlg for conductor pipe. Still building location. Working on pit.

04-19-90: Still drlg for cond pipe. Location pads completed. Still working on pit. Will start MIR tomorrow, 4-20-90.

04-20-90: Still drlg for cond pipe. Location pads completed. Still working on pit. MIR.

04-21-90: Still drlg on conductor pipe. MIR.

04-22-90: Still drlg on conductor pipe. MIR.

04-23-90: Set 58' 20" conductor. Cmt w/18 yds of redi mix grout. Finish location. Continue to MIR & equipment.

04-24-90: MIR & equipment.

04-25-90: RURT, Olsen Drilling Company Rig #7.

04-26-90: Still RURT, Olsen Drilling Company Rig #7. Expect to spud today, 4-26-90.

04-27-90: 1 DFS. Depth: 100'. Made: 28'. PO: Drlg. SPUDDED 3:30 AM 4-27-90. Bit #1 Serial #193365, 17 1/2" S84, in @ 72', has 28' 1/2 1/2 hrs, 11.2'/hr, jets 3 x 20. Pmp #1 D500, SPM 55, PP 100, Pmp #2 D500, SPM 55, PP 100. Output 550 GPM, 13.09 BPM. BHA: 17 1/2" bit, 1 3 point, 1 shock sub, 1 stabilizer. Hook

WELL HISTORY

PAGE -2-

BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

- 04-27-90: load 10, WOB 5-10, RPM 75, MW 8.8, vis 58, WL
(CONT'D.) no check, PV 12, YP 34, gels 4/22, pH 8.5, FC
3, sd 1, solids 2, Ca 80, alk tr, Cl 300.
BDT: 2 1/2 hrs drlg; 7 1/2 hrs mix spud mud &
PU BHA; 13 hrs RU. NOTE: Only a 23 hr day.
Costs were not available at report time.
- 04-28-90: 2 DFS. Depth: 228'. Made: 128'. PO: Drlg. Bit
#1 has 156'/25 1/2 hrs, 6.1'/hr, jets 3 x 20.
Pmp #1 D500, SPM 55, PP 100, Pmp #2 D500, SPM
55, PP 100. Output 550 GPM, 13.09 BPM. BHA:
17 1/2" bit, 1 3 point, 7 8" stroke collars,
1 shock sub, 1 stabilizer. Hook load 35, WOB
5-10, RPM 70, MW 8.8, vis 58, WL no check, PV
12, YP 34, gels 4/22, pH 8.5, FC 3, sd 1,
solids 2, Ca 80, alk tr, Cl 300. Surveys: 0°
@ 100', 1/4° @ 172'. BDT: 23 hrs drlg; 1/4 hr
rig service; 3/4 hr survey.
- 04-29-90: 3 DFS. Depth: 292'. Made: 64'. PO: Drlg. Bit
#1 has 220'/47 1/4 hrs, 4.6'/hr, jets 3 x 20.
Pmp #1 D500, SPM 55, PP 500, Pmp #2 D500, SPM
55, PP 500. Output 550 GPM, 13.09 BPM. BHA:
17 1/2" bit, 1 3 point, 7 8" stroke collars,
1 shock sub, 1 stabilizer, 8 8". Hook load
40, WOB 5-8, RPM 90, MW 8.7, vis 43, WL 23.6,
PV 8, YP 22, gels 6/22, pH 8.5, FC 3, sd 3/4,
solids 1, Ca 80, alk tr, Cl 310. Surveys:
3/4° @ 234', 1/4° @ 282'. BDT: 21 3/4 hrs
drlg; 1 1/4 hr rig repair; 1/4 hr survey; 3/4
hr loss circ (lost approx 200 bbls).
- 04-30-90: 4 DFS. Depth: 334'. Made: 42'. PO: Drlg. Bit
#1 out @ 320' made 248'/60 hrs, 4.1'/hr, cond
5-6-1/4. Bit #2 Serial #BF535 17 1/2" used in
@ 320' has 14'/5 hrs, 2.8'/hr, jets 3 x 20.
Pmp #1 D500, SPM 55, PP 500, Pmp #2 D500, SPM
55, PP 500. Output 550 GPM, 13.09 BPM. BHA:
17 1/2" bit, 1 3 point, 7 8" stroke collars,

WELL HISTORY

PAGE -3-

BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

04-30-90: 1 shock sub, 1 stabilizer, 8 8", 1 7". Hook
(CONT'D.) load 42, WOB 5-8, RPM 90, MW 8.8, vis 47, WL
19.4, PV 12, YP 28, gels 6/24, pH 8.5, FC 3,
sd 1/2, solids 3.5, Ca 40, alk tr, Cl 300.
Surveys: 1/4° @ 292'. BDT: 19 hrs drlg; 4 hrs
trip (2 hrs ran out of diesel); 1/2 hr rig
service; 1/2 hr survey.

05-01-90: 5 DFS. Depth: 394'. Made: 60'. PO: Drlg. Bit
#2 J-22 has 74'/36 1/2 hrs, 2.0'/hr, jets 3 x
20. Pmp #1 D500, SPM 55, PP 500, Pmp #2 D500,
SPM 55, PP 500. Output 550 GPM, 13.09 BPM.
BHA: 17 1/2" bit, 1 3 point, 7 8" stroke
collars, 1 shock sub, 1 stabilizer, 8 8", 1
7", 4 7". Hook load 50, WOB 8-10, RPM 90, MW
9.0, vis 58, WL 19.0, PV 13, YP 33, gels
12/29, pH 8.5, FC 3, sd 1/2, solids 4.8, Ca
80, alk tr, Cl 300. Surveys: 1/4° @ 383'.
BDT: 22 1/2 hrs drlg; 1/2 hr survey; 1 hr
work tite connection. 100% volcanics. DMC:
\$228 CMC: \$3,052.

05-02-90: 6 DFS. Depth: 524'. Made: 130'. PO: Drlg. Bit
#2 has 204'/58 1/2 hrs, 3.4'/hr, jets 3 x 20.
Pmp #1 D500, SPM 55, PP 500, Pmp #2 D500, SPM
55, PP 500. Output 550 GPM, 13.09 BPM. BHA:
17 1/2" bit, 1 3 point, 1 shock sub, 1 IBS, 1
8" DC, 1 IBS, 8 8", 1 x-o sub, 7 7". Hook
load 60, WOB 4-8, RPM 60-80, MW 8.8, vis 53,
WL 20.0, PV 11, YP 28, gels 6/20, pH 8.5, FC
3, sd 1/2, solids 3.5, Ca 80, alk tr, Cl 300.
Surveys: 1° @ 442', 1/2° @ 470', 1/4° @ 500'.
BDT: 22 hrs drlg; 1/2 hr rig service; 1 1/2
hrs surveys. DMC: \$714 CMC: \$3,766.

TOPS:
Volcanics <400'
Volcanics & sediments 400-530'
Volcanics 530-536'

WELL HISTORY

PAGE -4-

BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

05-03-90: 7 DFS. Depth: 668'. Made: 144'. PO: Drlg. Bit #2 has 348'/80 1/2 hrs, 4.3'/hr, jets 3 x 20. Pmp #1 D500, SPM 55, PP 500, Pmp #2 D500, SPM 55, PP 500. Output 550 GPM, 13.09 BPM. BHA: 17 1/2" bit, 1 3 point, 1 shock sub, 1 IBS, 1 8" DC, 1 IBS, 8 8", 1 x-o sub, 10 7". Hook load 66, WOB 5-8, RPM 60-70, MW 8.9+, vis 46, WL 20.0, PV 16, YP 38, gels 12/34, pH 8.5, FC 3, sd 1 1/4, solids 4.2, Ca 80, alk tr, Cl 300. Surveys: 0° @ 558', 1/4° @ 616'. BDT: 23 hrs drlg; 1 hr surveys. DMC: \$230 CMC: \$3,996.

REMARKS: Still in volcanics, will set csg @ 685' this PM.

05-04-90: 8 DFS. Depth: 681'. Made: 13'. PO: WOC. Bit #2 out @ 681' made 361'/82 1/2 hrs, 4.3'/hr, cond: 3-5-1/4. Pmp #1 D500, SPM 55, PP 500, Pmp #2 D500, SPM 55, PP 500. Output 550 GPM, 13.09 BPM. BHA: 17 1/2" bit, 1 3 point, 1 shock sub, 1 IBS, 1 8" DC, 1 IBS, 8 8", 1 x-o sub, 10 7". Hook load 66, WOB 5-8, RPM 70-80, MW 9.8, vis 70, WL 20.0, PV 16, YP 38, gels 12/34, pH 8.5, FC 3, sd 1 1/4, solids 4.2, Ca 80, alk tr, Cl 300. Surveys: 1/4° @ 676'. BDT: 2 hr drlg; 5 1/2 hrs trip; 1/2 hrs survey; 5 hrs circ; 5 hrs run csg; 1 hr cmt; 5 hrs WOC. Ran 16 jts STC 48# 13 3/8" csg, total 681'. Ran 5 centralizers, 2 baskets. 20 BW ahead. 320 sx 35 Poz/65 good cmt w/6% gel & 2% Cacl 10# per sk of Kolite 1/4# per sk Cellophane Flake, 200 sx 2% CaCl. Circ 80 bbls of good cmt. Bump plug @ 1:00 AM 5-4-90. Cmtd by Dowell. Witness by the State of Utah. DMC: N/A CMC: \$3,996.

WELL HISTORY

PAGE -5-

BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

- 05-05-90: 9 DFS. Depth: 681'. Made: 0'. PO: ND BOP's. BHA: Not in hole. BDT: 1 hr WOC; 6 hrs cut conductor pipe & 13 5/8" csg & weld on 13 3/8" head; 17 hrs NU BOP's. Cmt fell back 15', topped off w/Redi-mix. Tested 13 3/8" wellhead to 1000# for 30 min. DMC: N/A CMC: \$3,996.
- 05-06-90: 10 DFS. Depth: 705'. Made: 24'. PO: Drlg. Bit #3 BT1292 12 1/4" HP53A in @ 685' has 24'/6 1/4 hrs. Jets open. Pmp #1 D500, SPM 60, PP 200, Pmp #2 D500, SPM 60, PP 200. Output 225 GPM, 7.5 BPM, MW wtr. BHA: 9 8" DC's, 1 x-o sub, 10 7" DC's. BDT: 6 1/4 hrs drlg; 1 1/2 hrs rig repair; 1/2 hr ND BOP's; 7 hrs testing BOP's; 3 1/2 hrs hookup bouy line; 2 1/4 hrs drl cmt. Test pipe rams, blind rams, kill line & ck line to 3000#. Hydr1 to 1500#. Csg to 1000#. TOC @ 630'. Plug @ 641'. Shoe @ 682'. Witnessed by State of Utah. RU Air Drilling Services. DMC: N/A CMC: \$3,996.
- 05-07-90: 11 DFS. Depth: 932'. Made: 227'. PO: Survey. Fmn: Carmel. Bit #3 out @ 713' made 28'/11 3/4 hrs, cond: 1-1-engage. Bit #4 P83911 12 1/4" HP51A in @ 713' has 219'/9 1/4 hrs. Jets open. Using air mist: 1500 CFM, Press 250, Injecting: MW 8.5, vis 37, WL 10.4, PV 8, YP 16, gels 2/4, pH 10.0, sd 0, solids 0, Ca 80, alk 0.3, Cl 15,000, KCL 31,500. BHA: 1 6 pt, 1 short DC, 1 stabelizer, 1 8" DC, 1 stabelizer, 7 8" DC's, 1 xo sub, 7 7" DC's, 1 set of jars, 3 7" DC's. Surveys: 3/4° @ 765', 3/4° @ 830', 3/4° @ 890'. BDT: 14 3/4 hrs drlg; 4 hrs trips; 1 1/4 hrs surveys; 1 1/2 hrs blow hole dry; 2 hrs clean mud tanks; 1/2 hr change to air mist. Started dusting @ 713', hit wtr @ 735'. DMC: \$6,812 CMC:

WELL HISTORY

PAGE -6-

BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

05-07-90: \$10,808.
(CONT'D.) TOP:
Carmel 730' (+6274.50)
REMARKS: Drlg @ 1 min/ft.

05-08-90: 12 DFS. Depth: 1427'. Made: 495'. PO: Drlg.
Fmn: Carmel. Bit #4 has 714'/23 1/2 hrs. Jets
3 X 16. Pmp #2 D500 60 SPM, 250 PP, output
300 GPM, 7.14 BPM. Hook load 83, WOB 8-12,
RPM 60-70, MW wtr, pH 10.0, Ca 240, Cl 1900.
BHA: 1 6 pt, 1 short DC, 1 stabelizer, 1 8"
DC, 1 stabelizer, 7 8" DC's, 1 xo sub, 7 7"
DC's, 1 set of jars, 3 7" DC's. Surveys: 3/4°
@ 990', 1/2° @ 1151', 1° @ 1380'. BDT: 14 1/4
hrs drlg; 5 hrs trips; 1 1/4 hrs surveys; 1
hr work tite connection; 2 hrs rig repairs;
1/2 hr wash 50' to btm. Well went to wtr @
1214'. Air Drilling Services on stand-by.
Currently drlg without returns w/fresh wtr.
Drlg average 3 min/ft. One accident: worker
hit hard on shin, anticipate no lost time.
DMC: \$1,279 CMC: \$12,087.

05-09-90: 13 DFS. Depth: 1808'. Made: 381'. PO: Drlg.
Fmn: Carmel. Bit #4 has 1095'/46 1/2 hrs.
Jets 3 X 16. Pmp #2 D500 60 SPM, 250 PP,
output 300 GPM, 7.14 BPM. Hook load 94, WOB
8-10, RPM 60-70, MW wtr 8.4, pH 10.0, Ca 130,
alk 0.3, Cl 400. BHA: 1 6 pt, 1 short DC, 1
stabelizer, 1 8" DC, 1 stabelizer, 7 8" DC's,
1 xo sub, 7 7" DC's, 1 set of jars, 3 7"
DC's. Surveys: 3/4° @ 1489', 3/4° @ 1663'.
BDT: 23 hrs drlg; 1 hr surveys. Currently
drlg w/fresh wtr. Drlg average 4-5 min/ft.
DMC: \$577 CMC: \$12,664.

05-10-90: 14 DFS. Depth: 2130'. Made: 322'. PO: Drlg.
Fmn: Navajo. Bit #4 has 1417'/69 1/2 hrs.
Jets 3 X 16. Pmp #2 D500 60 SPM, 250 PP,

WELL HISTORY

PAGE -7-

BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

05-10-90: output 300 GPM, 7.14 BPM. Hook load 94, WOB
(CONT'D.) 8-10, RPM 60-70, MW wtr 8.4, pH 10.0, Ca 120,
alk 0.3, Cl 400. BHA: 1 6 pt, 1 short DC, 1
stabilizer, 1 8" DC, 1 stabilizer, 7 8" DC's,
1 xo sub, 7 7" DC's, 1 set of jars, 3 7"
DC's. Surveys: 3/4° @ 1845', 1/2° @ 2027'.
BDT: 23 hrs drlg; 1 hr surveys. Currently
drlg w/fresh wtr. Drlg average 6 min/ft
during the night. DMC: \$737 CMC: \$13,401.

05-11-90: 15 DFS. Depth: 2190'. Made: 60'. PO: Jar on
fish & WO back-off truck. Fmn: Navajo. Bit #4
has 1477'/72 hrs. Jets 3 X 16. Pmp #2 D500 60
SPM, 250 PP, output 300 GPM, 7.14 BPM. Hook
load 98, WOB 8-12, RPM 60-70, MW wtr 8.4, pH
10.0, Ca 120, alk 0.3, Cl 400. BHA: 1 6 pt, 1
short DC, 1 stabilizer, 1 8" DC, 1
stabilizer, 7 8" DC's, 1 xo sub, 7 7" DC's, 1
set of jars, 3 7" DC's. Fishing BHA: 1
overshot, 1 bumper sub, 1 x-o, 6 6" DC's. Top
of fish @ 1410'. BDT: 2 1/2 hrs drlg; 1/2 hr
TOH, drl pipe parted; 8 hrs WO fishing tools;
3 hrs PU fishing tools & TIH; 10 hrs jar on
fish & WO back-off truck. DMC: \$0 CMC:
\$13,401.

05-12-90: 16 DFS. Depth: 2190'. Made: 0'. PO: Circ &
cond hole w/mud. Fmn: Navajo. Bit #4 has
1477'/72 hrs. Jets 3 X 16. Rerun bit #3 12
1/4" HP53A, in @ 1310', jets open. Pmp #2
D500 40 SPM, 0 PP, output 275 GPM, 5.4 BPM.
Hook load 35, WOB 0, RPM 0, MW wtr 8.6, vis
70, WL 6.0, PV 20, YP 32, gels 10/22, pH
10.0, FC 1, sd nil, solids 2, LCM 8%, Ca 80,
alk 0.65, Cl 500. BHA: 1 6 pt, 1 short DC, 1
stabilizer, 1 8" DC, 1 stabilizer, 7 8" DC's,
1 xo sub, 7 7" DC's, 1 set of jars, 3 7"
DC's. Fishing BHA: 1 bit sub, 6 6" DC's, 1

WELL HISTORY

PAGE -8-

BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

05-12-90: xo. BDT: 1 1/2 hrs work w/stuck pipe; 1 1/2
(CONT'D.) hrs RU to free point; 11 hrs run free point
(alot of trouble w/sawdust in DP); 1 1/2 hrs
back-off @ overshot & TOOH; 6 1/2 hrs mix
mud; 1 1/2 hrs TIH to top of fish; 1/2 hr
circ & cond hole. DMC: \$0 CMC: \$13,401.

05-13-90: 17 DFS. Depth: 2190'. Made: 0'. PO: Clean out
top of fish w/jet sub & coil tbg. Fmn:
Navajo. Bit #4 has 1477'/72 hrs. Jets 3 X 16.
Rerun bit #3 12 1/4" HP53A, in @ 1310', jets
open. Pmp #2 D500 60 SPM, 0 PP, output 300
GPM, 7.14 BPM. Hook load 35, WOB 0, RPM 0, MW
wtr 8.5, vis 64, WL 5.8, PV 19, YP 26, gels
5/9, pH 10.0, FC 1, sd 1/2, solids 2, LCM 6%,
Ca 100, alk 0.6, Cl 500. BHA: 1 6 pt, 1 short
DC, 1 stabilizer, 1 8" DC, 1 stabilizer, 7 8"
DC's, 1 xo sub, 7 7" DC's, 1 set of jars, 3
7" DC's. Fishing BHA: 1 overshot, 1 bumper
sub, 1 set of jars, 1 xo, 6 6" DC's, 1 xo.
BDT: 7 hrs trip; 6 hrs circ; 4 1/2 hrs wash &
ream bridge from 1010-1310'; 1/2 hr run
sinker bar to top of fish, top of fish
plugged; 6 hrs RU Nowcam Service & run coil
tbg w/jet sub, would not wash. Nowcam
Services doing fishing job, coil tbg &
nitrogen. 1 pump truck from Dresser on
location. DMC: \$0 CMC: \$13,401.

05-14-90: 18 DFS. Depth: 2190'. Made: 0'. PO: Try to
work shot thru top of fish. Fmn: Navajo. Bit
#4 has 1477'/72 hrs. Jets 3 X 16. Rerun bit
#3 12 1/4" HP53A, in @ 1310', jets open. Pmp
#2 D500 60 SPM, 0 PP, output 300 GPM, 7.14
BPM. Hook load 35, WOB 0, RPM 0, MW wtr 8.5,
vis 64, WL 5.7, PV 19, YP 26, gels 5/9, pH
10.0, FC 1, sd 1/2, solids 2, LCM 7%, Ca 100,
alk 0.6, Cl 500. BHA: 1 6 pt, 1 short DC, 1

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

05-14-90: stabilizer, 1 8" DC, 1 stabilizer, 7 8" DC's,
(CONT'D.) 1 xo sub, 7 7" DC's, 1 set of jars, 3 7"
DC's. Fishing BHA: 1 overshot, 1 bumper sub,
1 set of jars, 1 xo, 6 6" DC's, 1 xo. BDT: 14
hrs PU Dynadril & clean out inside of fish
w/coil tbg; 3 hrs run free point & shots,
would not go; 3 hrs trip; 3 hrs spud & run
shots to top of fish, top of fish plugged; 1
circ. DMC: \$0 CMC: \$13,401.

REMARKS: If present operations do not
succeed, will attempt to mill into fish this
afternoon.

05-15-90: 19 DFS. Depth: 2190'. Made: 0'. PO: TIH
w/wash pipe. Fmn: Navajo. Bit #4 has 1477'/72
hrs. Jets 3 X 16. Rerun bit #3 12 1/4" HP53A,
in @ 1310', jets open. Pmp #2 D500 60 SPM, 0
PP, output 300 GPM, 17.4 BPM. Hook load 35,
WOB 0, RPM 0, MW wtr 8.6, vis 80, WL 5.0, PV
19, YP 39, gels 4/16, pH 10.0, FC 2, sd 1/4,
solids 3.2, LCM 8%, Ca 80, alk 0.65, Cl 500.
BHA: 1 6 pt, 1 short DC, 1 stabilizer, 1 8"
DC, 1 stabilizer, 7 8" DC's, 1 xo sub, 7 7"
DC's, 1 set of jars, 3 7" DC's. Fishing BHA:
4 jts wash pipe, 1 xo sub, 6 6" DC's, 1 xo
sub. BDT: 4 3/4 hrs trips; 7 hrs circ; 9 1/2
hrs run coil tbg to clean out top of fish; 2
3/4 hrs run string shots. DMC: \$0 CMC:
\$13,401.

REMARKS: Recovered 2 jts of drill pipe. Did
not have to mill top of fish - got thru with
coil tubing. As of 8 AM 5-15-90: Now cannot
get back to fish with wash pipe. Going to
TOOH to PU bit.

05-16-90: 20 DFS. Depth: 2190'. Made: 0'. PO: TIH
w/wash pipe. Fmn: Navajo. Bit #4 has 1477'/72
hrs. Jets 3 X 16. Rerun bit #3 12 1/4" HP53A,

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

05-16-90:
(CONT'D.)

in @ 1310', jets open. Pmp #2 D500 60 SPM, 0 PP, output 300 GPM, 17.4 BPM. Hook load 35, WOB 0, RPM 0, MW wtr 8.6, vis 83, WL 4.8, PV 23, YP 44, gels 4/16, pH 10.0, FC 2, sd 1/4, solids 3.4, LCM 6%, Ca 80, alk 0.5, Cl 500. BHA: 1 6 pt, 1 short DC, 1 stabilizer, 1 8" DC, 1 stabilizer, 7 8" DC's, 1 xo sub, 7 7" DC's, 1 set of jars, 3 7" DC's. Fishing BHA: 4 jts wash pipe, 1 xo sub, 6 6" DC's, 1 xo sub. BDT: 9 hrs trips; 15 hrs wash & ream over fish. DMC: \$0 CMC: \$13,401.

05-17-90:

21 DFS. Depth: 2190'. Made: 0'. PO: TIH w/wash pipe. Fmn: Navajo. Bit #4 SN B83911, 12 1/4" HP51A, jets open, to clean top of fish @ 1498'. Pmp #2 D500 60 SPM, 250 PP, output 300 GPM, 7.14 BPM. Hook load 40, WOB 1-2, RPM 40, MW wtr 8.6+, vis 78, WL 4.8, PV 25, YP 38, gels 4/16, pH 10.0, FC 2, sd 1/4, solids 3.4, LCM 6%, Ca 80, alk 0.4/1.4, Cl 500. BHA: 1 6 pt, 1 short DC, 1 stabilizer, 1 8" DC, 1 stabilizer, 7 8" DC's, 1 xo sub, 7 7" DC's, 1 set of jars, 3 7" DC's. Fishing BHA: 4 jts wash pipe, 1 top sub, 1 xo sub, 1 set of jars, 1 xo sub, 6 6" DC's. BDT: 2 1/2 hrs wash over fish; 11 3/4 hrs trips; 1/2 hr reaming; 5 3/4 hrs run free point, string shot. Recovered 4 jt fish. DMC: \$0 CMC: \$13,401.

REMARKS: This AM will wash over fish again. Expected procedures the next few days: Will run endless tbg down inside to bit to clean out where DP is plugged up, then run free point to see exactly where they are stuck.

05-18-90:

22 DFS. Depth: 2190'. Made: 0'. PO: Breaking down fishing tools. Fmn: Navajo. Bit #4 SN B83911, 12 1/4" HP51A, jets open, to clean

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

05-18-90:
(CONT'D.)

top of fish @ 1498'. Pmp #2 D500 60 SPM, 250 PP, output 300 GPM, 7.14 BPM. Hook load 40, WOB 2-3, RPM 40, MW wtr 8.7, vis 83, WL 4.6, PV 26, YP 42, gels 4/16, pH 10.0, FC 2, sd 1/4, solids 3.4, LCM 4%, Ca 80, alk 0.4/1.4, Cl 500. BHA: 1 6 pt, 1 short DC, 1 stabilizer, 1 8" DC, 1 stabilizer, 7 8" DC's, 1 xo sub, 7 7" DC's, 1 set of jars, 3 7" DC's. Fishing BHA: 1 overshot, 1 xo sub, 1 bumper sub, 1 xo sub, 1 set of jars, 1 xo sub, 6 6 3/4" DC's. BDT: 8 1/2 hrs wash over fish; 3 hrs trips; 4 hrs RU Nowcam & ran coil tbg, cleaned out ID of fish; 1/2 hr circ; 7 hrs RU & run free point; 1 hr break down fishing tools. DMC: \$0 CMC: \$13,401.

REMARKS: 7 hrs run free point: went in w/free point, fish was free @ 1620', tried to shoot off @ 1620'; came out of hole w/wireline, got another string shot, WIH to 1593' & stopped; RIH w/sinker bars, tried to work thru, got to 1595'; came out to 1588', tried to shoot off, backed off into overshot.

05-19-90:

23 DFS. Depth: 2190'. Made: 0'. PO: Cleaning out ID of fish w/Nowcam. Fmn: Navajo. Bit #4 SN B83911, 12 1/4" HP51A, jets open. Pmp #2 D500 60 SPM, 275 PP, output 300 GPM, 7.14 BPM. Hook load 42, WOB 0, RPM 0, MW wtr 8.7, vis 74, WL 4.8, PV 23, YP 38, gels 4/16, pH 9.5, FC 2, sd tr, solids 3.4, LCM 2%, Ca 80, alk 0.3/0.9, Cl 500. BHA: 1 6 pt, 1 short DC, 1 stabilizer, 1 8" DC, 1 stabilizer, 7 8" DC's, 1 xo sub, 7 7" DC's, 1 set of jars, 3 7" DC's. Fishing BHA: 1 overshot, 1 xo sub, 1 bumper sub, 1 xo sub, 1 set of jars, 1 xo sub, 6 6 3/4" DC's. BDT: 2 1/2 hrs washing over fish; 6 hrs trips; 1 hr PU fishing

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

05-19-90: tools; 5 hrs RU Nowcam & cleaned out ID of
(CONT'D.) fish. DMC: \$0 CMC: \$13,401.
05-20-90: 24 DFS. Depth: 2190'. Made: 0'. PO: Wash over
fish. Fmn: Navajo. Bit #4 SN B83911, 12 1/4"
HP51A, jets open. Pmp #1 D500 50 SPM, Pmp #2
D500 60 SPM, 350 combined PP, output 560 GPM,
13.34 BPM. Hook load 46, WOB 3-5, RPM 65, MW
wtr 8.7, vis 72, WL 4.6, PV 26, YP 32, gels
4/12, pH 9.5, FC 2, sd 1/4, solids 3.0, LCM
1%, Ca 80, alk 0.3/0.7, Cl 500. BHA: 1 6 pt,
1 short DC, 1 stabilizer, 1 8" DC, 1
stabilizer, 7 8" DC's, 1 xo sub, 7 7" DC's, 1
set of jars, 3 7" DC's. Fishing BHA: 1 shoe,
6 jts 9 3/8" wash pipe, 1 top sub, 1 xo sub,
1 set of jars, 1 xo sub, 6 6 " DC's, 1 xo
sub. BDT: 8 1/2 hrs wash over fish from 1623-
1760'; 8 hrs trips; 1/2 hr RD Nowcam; 3 1/2
hrs run free point & string shot. Recovered 2
jts of DP & 2 7" DC's. DMC: \$0 CMC: \$13,401.
05-21-90: 25 DFS. Depth: 2145' CORRECTED - found a 30'
mistake in pipe tally. Made: 0'. PO: Washing
over fish. Fmn: Navajo. Bit #4 SN B83911, 12
1/4" HP51A, jets open. Pmp #1 D500 50 SPM,
Pmp #2 D500 60 SPM, 275 combined PP, output
560 GPM, 13.34 BPM. Hook load 50, WOB 3-5,
RPM 65, MW wtr 8.7+, vis 57, WL 4.8, PV 19,
YP 28, gels 4/12, pH 9.5, FC 2, sd tr, solids
2.8, LCM 1%, Ca 80, alk 0.2/0.7, Cl 500. BHA:
1 6 pt, 1 short DC, 1 stabilizer, 1 8" DC, 1
stabilizer, 7 8" DC's, 1 xo sub, 7 7" DC's, 1
set of jars, 3 7" DC's. Fishing BHA: 1 shoe,
6 jts 9 3/8" wash pipe, 1 top sub, 1 xo sub,
1 set of jars, 1 xo sub, 6 6 " DC's, 1 xo
sub. BDT: 6 1/2 hrs trips; 1 hr screw into
fish & jar on fish; 8 hrs RU & run free point
& 5 string shots, tried to back off @

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

05-21-90: 1785.14', couldn't back off there so backed
(CONT'D.) off @ 1756.79' (top of fish); 3 hrs LD fish,
4 7" DC's, 1 set of daily jars; 5 1/2 hrs
wash over fish. DMC: \$0 CMC: \$13,401.

05-22-90: 26 DFS. Depth: 2145' CORRECTED - found a 30'
mistake in pipe tally. Made: 0'. PO: Backing
off. Fmn: Navajo. Bit #4 SN B83911, 12 1/4"
HP51A, jets open. Pmp #1 D500 50 SPM, Pmp #2
D500 60 SPM, 250 combined PP, output 560 GPM,
13.34 BPM. Hook load 50, WOB 2-5, RPM 50, MW
wtr 8.7, vis 54, WL 5.0, PV 20, YP 29, gels
4/12, pH 9.5, FC 2, sd tr, solids 2.8, LCM
tr, Ca 80, alk 0.2/0.7, Cl 500. BHA: 1 6 pt,
1 short DC, 1 stabilizer, 1 8" DC, 1
stabilizer, 7 8" DC's, 1 xo sub, 7 7" DC's, 1
set of jars, 3 7" DC's. Fishing BHA: 1 screw
in sub, 1 bumper sub, 1 set of jars, 1 xo
sub, 6 6 " DC's, 1 xo sub. BDT: 11 hrs wash
over fish from 1755-1946'; 5 1/2 hrs trips; 1
hr circ; 1 hr jar on fish, parted the pipe @
1191.27', pipe parted 25.65' from the box -
4' left in hole; 3 hrs WO weight indicator; 1
hr PU overshot; 1/2 hr work over fish
w/overshot; 1 hr run sinker bars & back off.
DMC: \$ 0 CMC: \$13,401.

05-23-90: 27 DFS. Depth: 2145' CORRECTED - found a 30'
mistake in pipe tally. Made: 0'. PO: Washing
over fish. Fmn: Navajo. Bit #4 SN B83911, 12
1/4" HP51A, jets open. Pmp #1 D500 50 SPM,
Pmp #2 D500 60 SPM, 250 combined PP, output
560 GPM, 13.34 BPM. Hook load 50, WOB 2-5,
RPM 50, MW wtr 8.7, vis 55, WL 5.0, PV 22, YP
28, gels 4/12, pH 9.5, FC 2, sd tr, solids
2.8, LCM 0, Ca 80, alk 0.3/0.7, Cl 500. BHA:
1 6 pt, 1 short DC, 1 stabilizer, 1 8" DC, 1
stabilizer, 7 8" DC's, 1 xo sub, 7 7" DC's, 1

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BEARD OIL COMPANY, TANNER #1-27
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WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

- 05-23-90: set of jars, 3 7" DC's. Fishing BHA: 1 shoe, (CONT'D.) 6 jts 9 3/8" wash pipe, 1 top sub, 1 xo sub, 1 set of jars, 1 xo sub, 6 6 " DC's, 1 xo sub. BDT: 2 1/2 hrs back off fish, tried to back off 3 times @ 1930', came up to 1900' (wireline depth) & backed off, this AM top of fish @ 1902.67'; 9 1/2 hrs trip; 11 hrs wash over fish from 1902-1968'. Recovered 4 7" DC's, 1 xo sub, 1 8" DC. DMC: \$ 0 CMC: \$13,401.
- 05-24-90: 28 DFS. Depth: 2145' CORRECTED - found a 30' mistake in pipe tally. Made: 0'. PO: Run wireline overshot. Fmn: Navajo. Bit #4 SN B83911, 12 1/4" HP51A, jets open. Pmp #1 D500 50 SPM, Pmp #2 D500 60 SPM, 250 combined PP, output 560 GPM, 13.34 BPM. Hook load 50, WOB 2-5, RPM 50, MW wtr 8.7+, vis 54, WL 5.0, PV 16, YP 26, gels 2/10, pH 9.5, FC 1, sd 1/4, solids 2.8, LCM 0, Ca 80, alk 0.4, Cl 500. BHA: 1 6 pt, 1 short DC, 1 stabilizer, 1 8" DC, 1 stabilizer, 7 8" DC's, 1 xo sub, 7 7" DC's, 1 set of jars, 3 7" DC's. Fishing BHA: 1 screw in sub, 1 bumper sub, 1 set of jars, 1 xo sub, 6 6 " DC's, 1 xo sub. BDT: 14 hrs wash over fish to 2085'; 4 hrs trip; 2 1/2 hrs jar on fish; 3 1/2 hrs run wireline overshot. DMC: \$ 0 CMC: \$13,401.
- 05-25-90: 29 DFS. Depth: 2145' CORRECTED - found a 30' mistake in pipe tally. Made: 0'. PO: Run wireline overshot. Fmn: Navajo. Bit #4 SN B83911, 12 1/4" HP51A, jets open. Hook load 50, WOB 0, RPM 0, MW wtr 8.7, vis 52, WL 5.2, PV 17, YP 24, gels 2/8, pH 9.5, FC 1, sd tr, solids 2.8, LCM 0, Ca 80, alk 0.4, Cl 500. BHA: 1 6 pt, 1 short DC, 1 stabilizer, 1 8" DC, 1 stabilizer. Fishing BHA: 1 screw in

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BEARD OIL COMPANY, TANNER #1-27
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WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

05-25-90: sub, 1 bumper sub, 1 set of jars, 1 xo sub, 6
(CONT'D.) 6 " DC's, 1 xo sub. BDT: 8 hrs trip; 5 hrs RU
& clean out inside of fish; 1/2 hr try to
circ; 1 1/2 hrs cut drlg line; 9 hrs run free
point & overshot. Rec 5 8" DC's. DMC: \$ 0
CMC: \$13,401.

05-26-90: 30 DFS. Depth: 2145' original. Top of Plug @
1750'. Made: 0'. PO: WOC. Fmn: . Bit #4 SN
B83911, 12 1/4" HP51A, jets open. Pump #2
DA500 SPM 60, PP 0, output 300 GPM, 7.14 BPM.
Hook load 0, WOB 0, RPM 0, MW wtr 8.6, vis
38, WL 7.4, PV 10, YP 12, gels 2/4, pH 8.5,
FC 1, sd tr, solids 1.9, LCM 0, Ca 40, alk
0.2, Cl 500. BDT: 3 1/2 hrs jar on fish; 1 hr
back off @ 2055'; 4 hrs trip; 1 hr circ; 1/2
hr pmp 330 sx cmt, Class G 1.5% D65 .5%
CaCl₂, 18# per gal, yeilds approx 300' cmt
plug from 2050-1750', set plug @ 2050',
should come up 300'. DMC: \$ 0 CMC: \$13,401.

05-27-90: 31 DFS. Depth: 1805'. Made: 0'. PO: Kick off
@ 1805'. Fmn: Bit #4 SN B83911, 12 1/4"
HP51A, jets open, left in hole. Bit #5 SN
BT4653, 12 1/4" HP21G in @ 1805', has 0'/1/2
hr, jets 3 x 15. Pump #2 DA500 SPM 62, PP
600, output 300 GPM, 17.14 BPM. Hook load 72,
WOB 2, RPM 0, MW wtr 8.6, vis 40, WL 6.4, PV
10, YP 15, gels 1/3, pH 10.5, FC 1, sd 1/4,
solids 1.4, LCM 0, Ca 240, alk 0.6, Cl 500.
BHA: bit, 1 mud motor, 1 1/2° bent sub, 5 8"
DC's, 1 xo sub, 5 7" DC's. BDT: 13 hrs WOC;
1/2 hr circ; 8 1/2 hrs trip; 1/2 hr kick off
w/1 1/2° bent sub. DMC: \$ 0 CMC: \$13,401.

05-28-90: 32 DFS. Depth: 1868'. Made: 63'. PO: Side
tracking. Fmn: Bit #5 SN BT4653, 12 1/4"
HP21G in @ 1805', has 63'/23 1/2 hr 2.6'/hr,

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

05-28-90: jets 3 x 15. Pump #2 DA500 SPM 62, PP 600.
(CONT'D.) Hook load 72, WOB 2, RPM 0, MW wtr 8.7, vis
50, WL 6.0, PV 14, YP 23, gels 2/5, pH 10.5,
FC 1, sd 1/4, solids 2.2, LCM 0, Ca 200, alk
0.6, Cl 500. Surveys: 1° @ 1817', 3/4° @
1839'. BHA: bit, 1 mud motor, 1 1/2° bent
sub, 5 8" DC's, 1 xo sub, 5 7" DC's. BDT: 23
hrs side tracking; 1 hr surveys. DMC: \$ 0
CMC: \$13,401.

05-29-90: 33 DFS. Depth: 2000'. Made: 132'. PO: Drlg.
Fmn: Bit #5 SN BT4653, 12 1/4" HP21G out @
1912', has 107'/24 1/2 hrs, 4.3'/hr, jets 3 x
15. Bit #6 SN VE281, 12 1/4" J22 in @ 1912',
has 88'/10 hrs, 8.8'/hr, jets 3 x 16. Pump #1
DA500 SPM 40, Pump #2 DA500 SPM 62, PP 400
combined, output 400 GPM, 9.25 BPM. Hook load
74, WOB 6-8, RPM 60, MW 8.6+, vis 43, WL 6.2,
PV 12, YP 20, gels 2/4, pH 10.0, FC 1, sd
1/4, solids 1.9, LCM 0, Ca 160, alk 0.4/1.0,
Cl 500. Surveys: 2° @ 1879', 3° @ 1900', 4° @
1953'. BHA: bit, 1 mud motor, 1 1/2° bent
sub, 5 8" DC's, 1 xo sub, 5 7" DC's. BDT: 4
hrs side tracking; 1 1/2 hrs surveys; 10 1/2
hrs drlg. DMC: \$ 0 CMC: \$13,401.

05-30-90: 34 DFS. Depth: 2130'. Made: 130'. PO: Drlg.
Fmn: Navajo. Bit #6 SN VE281, 12 1/4" J22 in
@ 1912', has 218'/32 3/4 hrs, 6.6'/hr, jets 3
x 16. Pump #1 DA500 SPM 40, Pump #2 DA500 SPM
40, PP 650 combined, output 399 GPM, 9.52
BPM. Hook load 76, WOB 5-6, RPM 60-70, MW
8.7, vis 44, WL 6.0, PV 12, YP 26, gels 2/5,
pH 10.0, FC 1, sd 1/4, solids 2.6, LCM 0, Ca
120, alk 0.3/0.8, Cl 400. Surveys: 4° @
2015', 3 3/4° @ 2076'. BHA: bit, 1 mud motor,
1 1/2° bent sub, 5 8" DC's, 1 xo sub, 5 7"
DC's. BDT: 3/4 hr surveys; 23 1/4 hrs drlg.

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
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WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

- 05-31-90: 35 DFS. Depth: 2211'. Made: 81'. PO: Drlg. Fmn: Carmel. Bit #6 SN VE281, 12 1/4" J22 in @ 1912', has 299'/54 1/4 hrs, 5.51'/hr, jets 3 x 16. Pump #1 DA500 SPM 55, Pump #2 DA500 SPM 20, PP 550 combined, output 450 GPM, 10.71 BPM. Hook load 77, WOB 5-7, RPM 90-100, MW 8.8, vis 49, WL 5.4, PV 14, YP 24, gels 2/6, pH 10.0, FC 1, sd 1/4, solids 3.3, LCM 0, Ca 120, alk 0.3/0.6, Cl 500. Surveys: 3 3/4° @ 2138', 3 3/4° @ 2168'. BHA: bit, 1 mud motor, 1 1/2° bent sub, 5 8" DC's, 1 xo sub, 5 7" DC's. BDT: 1/2 hr rig service; 1 1/2 hrs surveys; 1/2 hr repair rotating head; 21 1/2 hrs drlg. DMC: N/A CMC: \$13,401.
- 06-01-90: 36 DFS. Depth: 2361'. Made: 150'. PO: Drlg. Fmn: Carmel. Bit #6 SN VE281, 12 1/4" J22 out @ 2223', made 311'/60 1/4 hrs, 5.16'/hr. Bit #7 SN JY5611 12 1/4" HP11J in @ 2223', has 138'/10 hrs, 13.8'/hr, jets 3 x 14. Pump #1 DA500 SPM 55, Pump #2 DA500 SPM 55, PP 1200 combined, output 549 GPM, 13.90 BPM. Hook load 84, WOB 12-20, RPM 75, MW 8.7, vis 36, WL 7.8, PV 8, YP 14, gels 1/3, pH 9.5, FC 7.8, sd 1/4, solids 2.6, LCM 0, Ca 80, alk 0.2/0.6, Cl 400. Surveys: 3 1/2° @ 2288', 3° @ 2351'. BHA: bit, 2 8" DC's, 1 12 1/2" IBS, 3 8" DC's, 1 xo sub, 5 7" DC's, 1 set of jars, 6 weight pipe. BDT: 15 hrs drlg; 7 1/2 hrs trip to change BHA, clean mud tanks; 1 1/2 hrs surveys. DMC: \$22,767 CMC: \$36,168. NOTE: DMC includes costs for days not available.
- 06-02-90: 37 DFS. Depth: 2606'. Made: 245'. PO: Work w/tight hole. Fmn: Navajo. Bit #7 SN JY5611 12 1/4" HP11J in @ 2223', made 338'/21 1/2 hrs, 17.8'/hr, jets 3 x 14. Pump #1 DA500 SPM

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

06-02-90: 55, Pump #2 DA500 SPM 55, PP 1400 combined, (CONT'D.) output 549 GPM, 13.09 BPM. Hook load 90, WOB 20-22, RPM 75-80, MW 8.7, vis 38, WL 7.4, PV 10, YP 16, gels 1/4, pH 9.5, FC 1, sd 1/4, Cl 400, solids 2.6, LCM 0, Ca 80, alk 0.2/0.4. Surveys: 3° @ 2404', 2 3/4° @ 2496'. BHA: bit, 2 8" DC's, 1 12 1/2" IBS, 3 8" DC's, 1 xo sub, 5 7" DC's, 1 set of jars, 6 weight pipe. BDT: 11 1/2 hrs drlg; 8 1/2 hrs trip; 1 hr surveys; 3 hrs leveled rig. DMC: \$1,696 CMC: \$37,864.

06-03-90: 38 DFS. Depth: 2815'. Made: 209'. PO: Drlg. Fmn: Navajo. Bit #7 SN JY5611 12 1/4" HP11J in @ 2223', made 592'/39 hrs, 15.1'/hr, jets 3 x 14. Pump #1 DA500 SPM 48, Pump #2 DA500 SPM 48, PP 1300 combined, output 480 GPM, 11.4 BPM. Hook load 96, WOB 12-25, RPM 60-70, MW 8.7, vis 40, WL 6.8, PV 12, YP 20, gels 1/4, pH 9.0, FC 1, sd 1/2, Cl 300, solids 2.6, LCM 0, Ca 300, alk 0.1/0.3. Surveys: 2° @ 2650'. BHA: bit, 2 8" DC's, 1 12 1/2" IBS, 3 8" DC's, 1 xo sub, 5 7" DC's, 1 set of jars, 6 weight pipe. BDT: 17 1/2 hrs drlg; 2 1/2 hrs trip; 1 hr survey; 1 hr wash & ream from 2523-2606'; 2 hrs work tight hole from 2234-1985'. DMC: \$1,448 CMC: \$39,312.

06-04-90: 39 DFS. Depth: 3012'. Made: 197'. PO: Drlg. Fmn: Red Beds. Bit #7 SN JY5611 12 1/4" HP11J in @ 2223', made 789'/61 hrs, 12.9'/hr, jets 3 x 14. Pump #1 DA500 SPM 48, Pump #2 DA500 SPM 48, PP 1300 combined, output 480 GPM, 11.4 BPM. Hook load 98, WOB 20-25, RPM 60-70, MW 8.6+, vis 37, WL 6.8, PV 10, YP 14, gels 1/4, pH 9.5, FC 1, sd 1/4, Cl 400, solids 2.0, LCM 0, Ca 40, alk 0.25/0.4. Surveys: 2 1/2° @ 2846', 2° @ 2930'. BHA: bit, 2 8"

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

- 06-04-90: DC's, 1 12 1/2" IBS, 3 8" DC's, 1 xo sub, 5
(CONT'D.) 7" DC's, 1 set of jars, 6 weight pipe. BDT:
22 hrs drlg; 2 hrs surveys. DMC: \$2,345 CMC:
\$41,657.
COMMENT: Have apparently cut a large fault, >
900' Navajo cut out.
- 06-05-90: 40 DFS. Depth: 3079'. Made: 67'. PO: Working
tight hole @ 2749'. Fmn: Red Beds. Bit #7 SN
JY5611 12 1/4" HP11J in @ 2223', coming out @
3079' (still in hole @ 2749'), made 856'/70
hrs, 12.2'/hr, jets 3 x 14. Pump #1 DA500 SPM
48, Pump #2 DA500 SPM 48, PP 1300 combined,
output 480 GPM, 11.4 BPM. Hook load 99, WOB
15-25, RPM 60-70, MW 8.7, vis 38, WL 6.0, PV
10, YP 15, gels 1/4, pH 9.0, FC 1, sd 1/4, Cl
300, solids 2.6, LCM 0, Ca 40, alk 0.15/0.3.
BHA: bit, 2 8" DC's, 1 12 1/2" IBS, 3 8"
DC's, 1 xo sub, 5 7" DC's, 1 set of jars, 6
weight pipe. BDT: 9 hrs drlg; 2 hrs reaming
from 2769-2809'; 13 hrs working tight hole
from 2799-2780' & 2729-2749'. DMC: \$4,132
CMC: \$45,789.
- 06-06-90: 41 DFS. Depth: 3079'. Made: 0'. PO: Working
tight hole @ 2617'. Fmn: Moenkobi. Bit #7 SN
JY5611 12 1/4" HP11J in @ 2223', coming out @
3079' (still in hole @ 2749'), made 856'/70
hrs, 12.2'/hr, jets 3 x 14. Pump #1 DA500 SPM
0, Pump #2 DA500 SPM 60, PP 450, output 300
GPM, 7.14 BPM. Hook load 90, WOB 0, RPM 0, MW
8.7, vis 41, WL 6.0, PV 10, YP 18, gels 1/4,
pH 9.0, FC 1, sd 1/4, Cl 300, solids 2.6, LCM
0, Ca 40, alk 0.2/0.4. BHA: bit, 2 8" DC's, 1
12 1/2" IBS, 3 8" DC's, 1 xo sub, 5 7" DC's,
1 set of jars, 6 weight pipe. BDT: 24 hrs
working tight hole from 2749-2617'. DMC:
\$3,892 CMC: \$49,681.

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

06-07-90:

42 DFS. Depth: 3085'. Made: 6'. PO: Drlg.
Fmn: Red Beds. Bit #7 SN JY5611 12 1/4" HP11J
in @ 2223', out @ 3079', made 856'/70 hrs,
12.2'/hr, jets 3 x 14. Bit #8 Smith SN NA4512
12 1/4" FDT in @ 3079' made 6 1/2 hrs, 3'/hr,
jets 3 x 14. Pump #1 DA500 SPM 48, Pump #2
DA500 SPM 48, PP 1200 combined, output 480
GPM, 11.4 BPM. Hook load 98, WOB 15-17, RPM
60-65, MW 8.6, vis 38, WL 5.4, PV 12, YP 19,
gels 1/4, pH 9.5, FC 1, sd 1/4, Cl 300,
solids 2.6, LCM 0, Ca 40, alk 0.2/0.4. BHA:
bit, 5 8" DC's, 1 xo sub, 7 7" DC's, 1 set of
jars, 6 weight pipe. BDT: 2 hrs drlg; 5 1/2
hrs working tight hole from 2617-2519' (lost
108 bbls mud); 3 hrs trip; 5 1/2 hrs clean
mud tank, build mud volume (3# per bbl fiber
liner); 8 hrs wash & ream from 2428-3079'.
DMC: \$4,724 CMC: \$54,405.

TOPS:

Navajo 2568' (+4437)
Fault Zone 2620-
2660' (+4385)
Shinarump 2680' (+4325)
Moenkopi 2748' (+4257)

06-08-90:

43 DFS. Depth: 3203'. Made: 118'. PO: Drlg.
Fmn: Moenkopi. Bit #8 Smith SN NA4512 12 1/4"
FDT in @ 3079' made 124'/22 hrs, 5.6'/hr,
jets 3 x 14. Pump #1 DA500 SPM 48, Pump #2
DA500 SPM 35, PP 1400 combined, output 405
GPM, 9.6 BPM. Hook load 99, WOB 15-20, RPM
60-70, MW 8.6, vis 36, WL 5.2, PV 9, YP 14,
gels 1/3, pH 9.0, FC 1, sd 1/4, Cl 300,
solids 2.0, LCM 0, Ca 40, alk 0.2/0.5.
Surveys: 2 1/2° @ 3106', 2 1/2° @ 3167'. BHA:
bit, 5 8" DC's, 1 xo sub, 7 7" DC's, 1 set of
jars, 6 weight pipe. BDT: 20 hrs drlg; 3 hrs

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

06-08-90: short trip, 14 stands up to 1805'; 1 hr
(CONT'D.) surveys. DMC: \$5,726 CMC: \$60,131.
06-09-90: 44 DFS. Depth: 3345'. Made: 142'. PO: Drlg.
Fmn: White Rim. Bit #8 Smith SN NA4512 12
1/4" FDT in @ 3079' made 266'/37 1/2 hrs,
7.0'/hr, jets 3 x 16. Pump #1 DA500 SPM 48,
Pump #2 DA500 SPM 48, PP 1200 combined,
output 480 GPM, 11.4 BPM. Hook load 98, WOB
25-30, RPM 65-70, MW 8.8+, vis 34, WL 5.4, PV
8, YP 12, gels 1/2, pH 11.0, FC 1, sd 1/4, Cl
300, solids 3.3, LCM 0, Ca 120, alk 1.2/1.6.
Surveys: 2 1/4° @ 3260'. BHA: bit, 5 8" DC's,
1 xo sub, 7 7" DC's, 1 set of jars, 6 weight
pipe. BDT: 15 1/2 hrs drlg; 4 1/2 hrs wiping
trip, change jets in the bit; 1/2 hr surveys;
2 1/2 hrs circ; 1 hr wash & ream 60' to btm &
circ samples up @ 3260'. Picked up trace of
CO₂ gas 6-8-90. DMC: \$2,960 CMC: \$63,091.
TOPS:
Kahibab 3232' (+3772)
White Rim SS (probable) 3278' (+3726)
06-10-90: 45 DFS. Depth: 3398'. Made: 53'. PO: Logging.
Fmn: White Rim. Bit #8 Smith SN NA4512 12
1/4" FDT out @ 3398' made 319'/43 1/2 hrs,
7.3'/hr, cond 4-2-N, jets 3 x 16. Pump #1
DA500 SPM 48, Pump #2 DA500 SPM 48, PP 1200
combined, output 480 GPM, 11.4 BPM. Hook load
98, WOB 25-30, RPM 65-70, MW 8.9, vis 64, WL
4.6, PV 23, YP 31, gels 3/14, pH 10.5, FC 2,
sd 1/4, Cl 400, solids 4.1, LCM 0, Ca 80, alk
0.6/0.9. Surveys: 2 1/2° @ 3362'. BHA: bit, 5
8" DC's, 1 xo sub, 7 7" DC's, 1 set of jars,
6 weight pipe. BDT: 6 hrs drlg; 8 hrs trip;
1/2 hr surveys; 7 hrs circ; 1 hr log. Logging

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

06-10-90: w/Schlumberger this AM. DMC: \$5,128 CMC:
(CONT'D.) \$68,219.
06-11-90: 46 DFS. Depth: 3398'. Made: 0'. PO: Circ csg.
Fmn: White Rim. Bit #8 Smith SN NA4512 12
1/4" FDT out @ 3398' made 319'/43 1/2 hrs,
7.3'/hr, cond 4-2-N, jets 3 x 16. Pump #1
DA500 SPM 48, Pump #2 DA500 SPM 48, PP 400
combined, output 480 GPM, 11.4 BPM. Hook load
98, WOB 0, RPM 40, MW 8.9, vis 64, WL 4.6, PV
23, YP 31, gels 3/14, pH 10.5, FC 1, sd 1/4,
Cl 400, solids 4.1, LCM 0, Ca 80, alk
0.6/0.9. BHA: None. BDT: 5 hrs trip; 3 hrs
circ; 8 1/2 hrs log; 1 hr pull wear bushing;
6 1/2 hrs RU & run 74 jts 9 5/8" csg 40# &
36# J-55, 3400', set @ 3397'. DMC: \$2,473
CMC: \$70,692.
06-12-90: 6-10-90 Logging information: ran DIL, CNLD,
ML, Sonic & Dipmeter from 3400' to btm of
surf @ 682'.
06-12-90: 47 DFS. Depth: 3398'. Made: 0'. PO: Press
testing BOP's. FMN: White Rim. MW wtr, pH
7.5. BDT: 3 1/2 hrs cmtg, ran 4 centralizers,
lead cmt of 300 sx High Lift w/3% salt, tail
cmt of 200 sx Class G cmt w/2% CaCl, 1/4# per
sk D-29, cmtg from 3400-950', bump plug @
8:30 AM 6-11-90; 6 hrs WOC; 12 1/2 hrs ND,
NU; 2 hrs press testing BOP's. DMC: \$0 CMC:
\$70,692.
06-13-90: 48 DFS. Depth: 3507'. Made: 110'. PO: Drlg.
FMN: Sinbad Limestone. Bit #9 8 3/4" F-2 in @
3398' made 110'/6 hrs, 18.33'/hr, jets 3 x
30. Hook load 120, WOB 10-12, RPM 60, stand
pipe press 150#, 1500 cfpm of air. MW air.
BHA: bit, 1 3 point reamer, 1 6 3/4" DC, 1 8
3/4" IBS, 8 6 3/4" DC's, 8 6 1/4" DC's, 1
jars, 2 6 1/4" DC's, 6 heavy weight DP. BDT:

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

06-13-90: 6 hrs drlg; 11 hrs trip; 1 hr cut drlg line;
(CONT'D.) 3 hrs drlg cmt; 1 hr press test; 2 hrs blow
hole down & dry up hole. Gas %'s @ 7:00 AM:
14 parts per million H₂S on connections. 2-2
1/2% CO₂ on connections. SD, well was
blowing, making it's own gas (good visual
strong blow). As of 7:50 AM: down to 1% CO₂
on connections. DMC: \$0 CMC: \$70,692.
LOG TOPS:
Navajo 1150' (+5854)
Wingate 2020' (+4984)
Chinle 2160' (+4844)
Shinarump 2530' (+4474)
Moenkopi 2750' (+4254)
Sinbad Limestone 3252' (+3752)

06-14-90: 49 DFS. Depth: 3755'. Made: 248'. PO: Drlg.
FMN: White Rim Sandstone. Bit #9 SN KN0671 8
3/4" F-2 in @ 3398' made 357' / 24 1/2 hrs,
14.57' / hr, jets 3 x 30. Hook load 122, WOB
15-18, RPM 60, air mist 280 psi, 1500 CFM of
air, injecting 10 GPM mist. Drlg: air mist.
Surveys: 2 1/4° @ 3539', 2° @ 3665'. BHA:
bit, 1 3 point reamer, 1 6 3/4" DC, 1 8 3/4"
IBS, 8 6 3/4" DC's, 8 6 1/4" DC's, 1 jars, 2
6 1/4" DC's, 6 heavy weight DP. BDT: 18 1/2
hrs drlg; 2 hrs repair blooey line; 1 1/2 hrs
surveys; 1 hr blow down hole, check for CO₂,
approx 1500 CFM; 1 hr change to air mist.
DMC: N/A CMC: \$70,692.

06-15-90: 50 DFS. Depth: 3996'. Made: 241'. PO: Unload
hole. FMN: Toroweap. Bit #9 SN KN0671 8 3/4"
F-2 in @ 3398', out @ 3996' made 598' / 33 hrs,
18.2' / hr, cond 1-8-N, jets 3 x 30. Bit #10 SN
KM7131 8 3/4" F-2 in @ 3996' (on btm), jets 3
x 30. Hook load 120, WOB 0, RPM 0, air mist

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
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WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

06-15-90: 800 psi, 1500 CFM of air. Drlg fluid: air
(CONT'D.) mist. Surveys: 1 3/4° @ 3791'. BHA: bit, bit
sub, 9 6 3/4" DC, 7 6 1/4" DC's, 1 jars, 6
heavy weight DP. BDT: 9 1/2 hrs drlg; 1 hr
repair; 1/2 hr survey; 1/2 hr circ & cond;
1/2 hr wash & ream; 1/2 hr install rotating
heads. DMC: \$2,128 CMC: \$72,820.

06-16-90: 51 DFS. Depth: 4098'. Made: 102'. PO: Wash &
ream. FMN: Cedar Mesa. Bit #10 SN KM7131 8
3/4" F-2 in @ 3996' made 102' / 8 3/4 hrs,
11.66'/hr, jets 3 x 30. Hook load 120, WOB
25-30, RPM 60, aireated lm wtr, 1400 CFM.
Drlg fluid: aireated lm wtr, pH 11.5, Cl 300,
Ca 360, alk 3.5, filtrate 2.0 & 3.2. BHA:
bit, bit sub, 9 6 3/4" DC, 7 6 1/4" DC's, 1
jars, 6 heavy weight DP. BDT: 8 3/4 hrs drlg;
4 hrs trip; 6 hrs switch to aireated lm wtr;
2 hrs wash & ream; 2 3/4 hrs work tight hole;
1/2 hr unload hole. DMC: \$3,084 CMC: \$75,904.

06-17-90: 52 DFS. Depth: 4098'. Made: 0'. PO: TOOH
w/plugged bit. FMN: Cedar Mesa. Bit #10 SN
KM7131 8 3/4" F-2 in @ 3996' made 102' / 8 3/4
hrs, 11.66'/hr, jets 3 x 30. Hook load 115,
WOB 2-3, RPM 60, Pump #1 D500, SPM 60, PP
600, output 299 GPM 7.14 BPM, 250-400 CFM. MW
8.6, vis 41, WL 12.8, PV 14, YP 10, gels 3/6,
pH 12.0, FC 2, sd tr, Cl 300, solids 2.1, LCM
8%, Ca 360, alk 2.8/3.8. BHA: bit, bit sub, 9
6 3/4" DC, 7 6 1/4" DC's, 1 jars, 6 heavy
weight DP. BDT: 2 hrs wash & ream from 4067-
4080'; 12 hrs trip; 3 hrs unload hole; 5 1/2
hrs mix LCM; 1 1/2 hrs circ. DMC: \$3,896 CMC:
\$79,800.

TOPS:
Black Dragon 3480' (+3524)
Kaibab 3550' (+3454)

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

06-17-90: White Rim 3690' (+3314)
(CONT'D.) Toroweap 3750' (+3254)
Cedar Mesa (est.) 3950' (+3054)

06-18-90: 53 DFS. Depth: 4098'. Made: 0'. PO: Mixing
mud & LCM. FMN: Cedar Mesa. Bit #10 SN KM7131
8 3/4" F-2 in @ 3996' made 102' / 8 3/4 hrs,
11.66'/hr, jets 3 x 30. Hook load 115, WOB 2-
3, RPM 60, Pump #2 DA500, SPM 36, PP 200,
output 180 GPM 4.28 BPM, no air. MW 8.6, vis
56, WL 8.8, PV 22, YP 29, gels 4/20, pH 11.5,
FC 2, sd tr, Cl 300, solids 2.4, LCM 12%, Ca
120, alk 1.2/1.5. BHA: bit, bit sub, 9 6 3/4"
DC, 7 6 1/4" DC's, 1 jars, 6 heavy weight DP.
BDT: 7 1/2 hrs trip; 9 1/2 hrs mix mud & LCM.
Lost 1000 bbls mud (850 bbls pmpd down inside
DP, rest was pmpd down backside). DMC: \$5,878
CMC: \$85,678.

06-19-90: 54 DFS. Depth: 4098'. Made: 0'. PO: Trying to
circ. FMN: Cedar Mesa. Bit #10 SN KM7131 8
3/4" F-2 in @ 3996' made 102' / 8 3/4 hrs,
11.66'/hr, jets 3 x 30. Hook load 115, WOB 0,
RPM 40, Pump #2 DA500, SPM 32, PP 400-800,
output 160 GPM 3.81 BPM, 500-1500 CFM. MW
8.3, vis 27, WL 0, PV 0, YP 0, gels 0, pH
10.5, FC 0, sd 0, Cl 300, solids 0, LCM 0, Ca
300, alk 1.0/1.2. BHA: bit, bit sub, 9 6 3/4"
DC, 7 6 1/4" DC's, 1 jars, 6 heavy weight DP.
BDT: 10 1/2 hrs trip; 7 1/2 hrs clean mud
tanks & build mud volume; 1 1/2 hrs unplugged
bit, bit sub & 15' of the collar; 4 1/2 hrs
try to circ. DMC: \$5,554 CMC: \$91,232.

06-20-90: 55 DFS. Depth: 4263'. Made: 165'. PO: Drlg.
FMN: Cedar Mesa. Bit #10 SN KM7131 8 3/4" F-2
in @ 3996' made 267' / 18 3/4 hrs, 14.24'/hr,
jets 3 x 30. Hook load 121, WOB 30, RPM 60,
Pump #2 DA500, SPM 50, PP 350, output 250 GPM

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
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WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

06-20-90: 5.95 BPM, 1500 CFM. MW 8.6+, vis 39, WL 7.8,
(CONT'D.) PV 12, YP 21, gels 1/4, pH 9.5, FC 1, sd 1/4,
Cl 300, solids 2.0, LCM 0, Ca 120, alk
0.2/0.3. BHA: bit, bit sub, 9 6 3/4" DC, 7 6
1/4" DC's, 1 jars, 6 heavy weight DP. BDT: 10
hrs drlg; 2 1/2 hrs trip for jet sub; 5 hrs
circ; 6 1/2 wash & ream from 3978-4098'. DMC:
\$2,537 CMC: \$93,769.

06-21-90: 56 DFS. Depth: 4575'. Made: 312'. PO: Drlg.
FMN: Lower Cedar Mesa. (CORRECTION): Bit #10
SN KM7131 8 3/4" F-2 in @ 3996' out @ 4098'
made 102 1/8 3/4 hrs, 11.65'/hr, jets 3 x 30.
Bit #11 8 3/4" Smith F-3 SN NA2563 in @ 4098'
made 477 1/28 hrs, 17.0'/hr, jets open. Hook
load 123, WOB 30, RPM 60, Pump #2 DA500, SPM
50, PP 350, output 250 GPM 5.95 BPM, 1500
CFM. MW 8.7+, vis 47, WL 6.4, PV 12, YP 24,
gels 1/5, pH 9.5, FC 1, sd 1/4, Cl 300,
solids 2.6, LCM 0, Ca 80, alk 0.25/0.4. BHA:
bit, bit sub, 9 6 3/4" DC, 7 6 1/4" DC's, 1
jars, 6 heavy weight DP. BDT: 18 hrs drlg; 3
hrs trip to move jet sub back to 2800'; 2 1/2
hrs circ btms up & circ 20% CO₂ out. DMC:
\$2,798 CMC: \$96,567.

06-22-90: 57 DFS. Depth: 4883'. Made: 308'. PO: Drlg.
FMN: Lower Cedar Mesa. Bit #11 8 3/4" Smith
F-3 SN NA2563 in @ 4098' made 785 1/48 hrs,
16.3'/hr, jets open. Hook load 134, WOB 25-
30, RPM 60, Pump #1 D500, SPM 60, PP 400,
output 250 GPM 5.95 BPM, 2200 CFM. MW 8.7,
vis 51, WL 6.4, PV 16, YP 29, gels 2/14, pH
9.0, FC 2, sd 1/2, Cl 300, solids 2.6, LCM 0,
Ca 80, alk 0.2/0.4. BHA: bit, bit sub, 9 6
3/4" DC, 7 6 1/4" DC's, 1 jars, 6 heavy
weight DP. BDT: 20 hrs drlg; 1 hr replace

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

06-22-90: rotating head; 2 hrs circ, lost returns @
(CONT'D.) 4653'; 1 hr work tight hole @ 4688'. DMC:
\$6,233 CMC: \$102,800.

06-23-90: 58 DFS. Depth: 5096'. Made: 213'. PO: Circ &
cond for short trip. FMN: Mississippian. Bit
#11 8 3/4" Smith F-3 SN NA2563 in @ 4098'
made 998'/69 1/2 hrs, 14.3'/hr, jets open.
Hook load 136, WOB 25-30, RPM 60, Pump #1
D500, SPM 60, PP 400, output 250 GPM 5.95
BPM, 2200 CFM. MW 8.6+, vis 43, WL 6.4, PV 9,
YP 24, gels 1/12, pH 9.0, FC 1, sd 1/4, Cl
300, solids 2.1, LCM 0, Ca 80, alk 0.2/0.3.
BHA: bit, bit sub, 9 6 3/4" DC, 7 6 1/4"
DC's, 1 jars, 6 heavy weight DP. BDT: 21 1/2
hrs drlg; 2 hrs circ; 1/2 hr lost returns @
5065'. DMC: \$8,907 CMC: \$111,707.

06-24-90: 59 DFS. Depth: 5247'. Made: 151'. PO: Drlg.
FMN: Mississippian. Bit #11 8 3/4" Smith F-3
SN NA2563 in @ 4098' made 1149'/85 1/2 hrs,
13.4'/hr, jets open. Hook load 138, WOB 30-
35, RPM 60, Pump #1 D500, SPM 60, PP 400,
output 300 GPM 7.14 BPM, 2200 CFM. MW 8.6+,
vis 38, WL 6.8, PV 10, YP 20, gels 1/6, pH
9.0, FC 1, sd 1/4, Cl 300, solids 2.1, LCM 0,
Ca 80, alk 0.2/0.3. BHA: bit, bit sub, 9 6
3/4" DC, 7 6 1/4" DC's, 1 jars, 6 heavy
weight DP. BDT: 16 hrs drlg; 3 hrs trip to
5100' to jet sub, moved up 3 stands; 1 1/2
hrs circ; 3 1/2 hrs cleaned mud tanks & build
volume. DMC: \$5,272 CMC: \$116,979.

06-25-90: 60 DFS. Depth: 5305'. Made: 58'. PO: Wash &
ream. FMN: Mississippian. Bit #11 8 3/4"
Smith F-3 SN NA2563 in @ 4098' out @ 5305'
made 1207'/91 1/2 hrs, 13.1'/hr, cond 6-8-1/8
jets open. Bit #12 S/N KN2049 Smith 8 3/4"
FDT in @ 5305' no footage, jets open. Hook

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

06-25-90: load 120, WOB 30-35, RPM 60, Pump #1 D500,
(CONT'D.) SPM 60, PP 400, output 300 GPM 7.14 BPM, 2200
CFM. MW 8.6, vis 38, WL 8.2, PV 8, YP 16,
gels 1/4, pH 9.0, FC 1, sd tr, Cl 300, solids
2.1, LCM 0, Ca 80, alk 0.2/0.3. BHA: bit, bit
sub, 9 6 3/4" DC, 7 6 1/4" DC's, 1 jars, 6
heavy weight DP. BDT: 6 hrs drlg; 7 hrs trip;
3 1/2 hrs circ; 2 hrs WO Schlumberger; 4 hrs
RU Schlumberger & log, hit bridge @ 3417'; 1
hr wash & ream from 4375-4390', lost returns,
TOOH, PU jet sub, TIH to 4050', hit bridge @
4050'; 1/2 hr wash & ream from 4050-4080'.
DMC: \$5,043 CMC: \$122,022.

06-26-90: 61 DFS. Depth: 5305'. Made: 0'. PO: Cleaning
mud tanks. FMN: Mississippian. Bit #12 S/N
KN2049 Smith 8 3/4" FDT in @ 5305' no
footage, jets open. Hook load 138, WOB 3-18,
RPM 60, Pump #1 D500, SPM 50, PP 350, output
249 GPM 5.95 BPM, 1500-1800 CFM. MW 8.5, vis
38, WL 8.8, PV 8, YP 14, gels 1/4, pH 10.5,
FC 1, sd tr, Cl 300, solids 1.2, LCM 0, Ca
160, alk 0.6/1.2. BHA: bit, bit sub, 9 6 3/4"
DC, 7 6 1/4" DC's, 1 jars, 6 heavy weight DP.
BDT: 2 1/2 hrs trip; 11 1/2 hrs wash & ream
to btm (4049-4189', 4249-4532', 5095-5305');
3 hrs circ on btm; 7 hrs clean mud tanks &
build mud volume. DMC: \$3,297 CMC: \$125,139.
REMARKS: Released Schlumberger, will recall
for anticipated logging tonight.

06-27-90: 62 DFS. Depth: 5305', LTD 5280'. Made: 0'.
PO: Logging. FMN: Mississippian. Bit #12 S/N
KN2049 Smith 8 3/4" FDT in @ 5305' no
footage, jets open. Hook load 138, WOB 3-5,
RPM 60, Pump #1 D500, SPM 60, PP 400, output
300 GPM 7.14 BPM, 1800-2200 CFM. MW 8.6, vis
135, WL 9.2, PV 20, YP 45, gels 9/24, pH

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

06-27-90: 10.5, FC 2, sd tr, Cl 250, solids 2, LCM 0,
(CONT'D.) Ca 140, alk 0.7/1.6. BHA: bit, bit sub, 9 6
3/4" DC, 7 6 1/4" DC's, 1 jars, 6 heavy
weight DP. BDT: 14 1/2 hrs circ, cond & build
volume; 6 1/2 hrs trip; 1/2 hr wash & ream
from 5243-5305'; 2 1/2 hrs RU Halliburton &
log. DMC: \$2,606 CMC: \$127,925.

06-28-90: 63 DFS. Depth: 5305'. Made: 0'. PO: Trip in
w/7" liner. FMN: Mississippian. Bit #12 S/N
KN2049 Smith 8 3/4" FDT in @ 5305' no
footage, jets open. Hook load 80, WOB 0, RPM
0, Pump #2 DA500, SPM 50, PP 350, output 249
GPM 5.95 BPM, 2200 CFM. MW 8.6, vis 80, WL
8.8, PV 19, YP 42, gels 11/23, pH 10.5, FC 2,
sd tr, Cl 250, solids 2, LCM 0, Ca 110, alk
0.7/1.7. BHA: bit, bit sub, 9 6 3/4" DC, 7 6
1/4" DC's, 1 jars, 6 heavy weight DP. BDT: 7
hrs trip; 4 1/2 hrs build volume; 2 hrs circ;
4 hrs log; 6 1/2 hrs run 54 jts 7" 26# J55
csg, total 2253.25'. DMC: \$2,041 CMC:
\$129,966.

ADDITIONAL: J55 liner from 2997-5305' w/357'
overlap in the intermediate csg. Ran 4
expandable csg pkrs (ECP) to seal off CO₂
zones @ 4218', 4127', 3618' & 1 ECP in the
btm of the intermediate csg @ 3357' w/a 3'
full opening port collar above the ECP @
3354'.

06-29-90: 64 DFS. Depth: 5305'. Made: 0'. PO: PU 3 1/2"
DP. FMN: Mississippian. Bit #12 S/N KN2049
Smith 8 3/4" FDT in @ 5305' not in hole. Hook
load 0, WOB 0, RPM 0, Pump #2 DA500, on
standby, changing liners, SPM 0, PP 0, output
0 GPM 0.0 BPM, 0 CFM. MW wtr in mud tanks,
vis 0, WL 0.0, PV 0, YP 0, gels 0/0, pH 9.0,

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

06-29-90: FC 0, sd 0, Cl 0, solids 0, LCM 0, Ca 0, alk
(CONT'D.) 0.0/0.0. BHA: none. BDT: 1 1/2 hrs trip; 1
1/2 hrs circ; 1 hr hang liner; 2 hrs cmt
lower stage w/755 sx of Thioxotropic cmt,
displ w/129 bbls fresh wtr, bump plug @ 12:30
PM 6-28-90 & inflate ECP's, no cmt circ to
liner top, sting out of liner & circ @ liner
hanger, full returns determining top ECP in
intermediate csg set & holding; 8 hrs RU & LD
4 1/2" DP & 6 3/4" DC's; 4 hrs change out 4
1/2" tools to 3 1/2" tools; 6 hrs PU 30 4
3/4" DC's & 81 jts 3 1/2" DP. DMC: \$1,372
CMC: \$131,388.

06-30-90: 65 DFS. Depth: 5305'. Made: 0'. PO: Drlg cmt.
FMN: Pakoon. Bit #12 S/N ET1727 6 1/8" HP53J
in @ 5305'. Hook load 79, WOB 5-10, RPM 60,
Pump #2 DA500, SPM 40, PP 400, output 199 GPM
4.76 BPM, 0 CFM. MW wtr, vis 0, WL 0.0, PV 0,
YP 0, gels 0/0, pH 9.0, FC 0, sd 0, Cl 0,
solids 0, LCM 0, Ca 0, alk 0.0/0.0. BHA:
910.17', 6 1/8" bit, 1 4 3/4" bit sub, 30 4
9/16" DC's. BDT: 4 hrs drlg cmt; 7 hrs WO
elevators; 4 1/2 hrs trip; 2 1/2 hrs PU 3
1/2" DP; 2 hrs cmt w/Dowell around port
collar; 4 1/2 hrs change pipe rams from 4
1/2" to 3 1/2". DMC: \$0 CMC: \$131,338.

07-01-90: 66 DFS. Depth: 5305'. Made: 0'. PO: WO cmt.
FMN: Pakoon. Bit #12 S/N ET1727 6 1/8" HP53J
in @ 5305'. Hook load 105, WOB 10-15, RPM 60,
Pump #1 D500 now has 5" liners, Pump #2 DA500
still has 5 1/2" liners, SPM 32, PP 400,
output 159 GPM 3.80 BPM, 0 CFM. MW wtr, vis
0, WL 0.0, PV 0, YP 0, gels 0/0, pH 9.0, FC
0, sd 0, Cl 0, solids 0, LCM 0, Ca 0, alk
0.0/0.0. BHA: 910.17', 6 1/8" bit, 1 4 3/4"
bit sub, 30 4 9/16" DC's. BDT: 6 1/2 hrs drlg

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

07-01-90: cmt from 3232-3358', 5219-5248'; 5 hrs trip;
(CONT'D.) 10 1/2 hrs WO cmt, change liner in pmp &
clean mud tanks; 2 hrs press test csg &
BOP's, went to 1000 psi for 15 min on each
test, held OK. DMC: \$0 CMC: \$131,338.

07-02-90: 67 DFS. Depth: 5360'. Made: 55'. PO: Drlg
w/air mist. FMN: Pakoon. Bit #12 S/N ET1727 6
1/8" HP53J in @ 5305' made 55' 3/4 1/2 hrs,
15.7'/hr. Hook load 124, WOB 20-30, RPM 60,
Pump #1 D500, SPM 30, PP 400, output 122 GPM
2.90 BPM, 1500 CFM. MW wtr, vis 0, WL 0.0, PV
0, YP 0, gels 0/0, pH 9.0, FC 0, sd 0, Cl 0,
solids 0, LCM 0, Ca 0, alk 0.0/0.0. BHA:
910.17', 6 1/8" bit, 1 4 3/4" bit sub, 30 4
9/16" DC's. Survey: 2 3/4' @ 5279'. BDT: 3
1/2 hrs drlg (1 1/2 hrs drlg cmt from 5284-
5305'); 4 hrs trip; 5 hrs WO cmt; 1/2 hr
survey; 4 hrs run cmt bond log, 205' of good
cmt @ the btm of the 7" liner, 204' of good
cmt above ECP @ liner hanger; 4 1/2 hrs dried
out hole; 1/2 hr hit wtr @ 5326', circ &
tried to dry hole out; 1/2 hr circ hole w/air
mist. DMC: \$0 CMC: \$131,338.

LOG TOPS:

Sinbad	3410' (+3594)
Black Dragon	3570' (+3434)
Kiabad	3690' (+3314)
White Rim	3886' (+3118)
Toroweap	3974' (+3030)
Cedar Mesa	4345' (+2659)
Permian Limestone	5012' (+1992)

07-03-90: 68 DFS. Depth: 5528'. Made: 168'. PO: Drlg.
FMN: Dolomite. Bit #12 S/N ET1727 6 1/8"
HP53J in @ 5305' made 244'/24 hrs, 10.1'/hr.
Hook load 110, WOB 25, RPM 60, Pump #1 D500,
SPM 50, PP 750, output 204 GPM 4.85 BPM. MW

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
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WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

07-03-90: 8.6, vis 46, WL 7.4, PV 10, YP 16, gels 1/4,
(CONT'D.) pH 10.0, FC 1, sd 1/2, Cl 400, solids 1.9,
LCM 0, Ca 80, alk 0.6/1.0. BHA: 910.17', 6
1/8" bit, 1 4 3/4" bit sub, 30 4 9/16" DC's.
Survey: 2 3/4° @ 5279'. BDT: 20 1/2 hrs drlg;
3 1/2 hrs circ w/air mist, could not circ,
filled hole w/wtr & started to mud up @
5374'. DMC: \$3,501 CMC: \$134,839.

07-04-90: 69 DFS. Depth: 5746'. Made: 218'. PO: Drlg.
FMN: Dolomite. Bit #12 S/N ET1727 6 1/8"
HP53J in @ 5305' made 462'/48 hrs, 9.6'/hr.
Hook load 112, WOB 25, RPM 60, Pump #2 DA500,
5" liners, SPM 50, PP 725, output 204 GPM
4.85 BPM. MW 8.6+, vis 47, WL 7.0, PV 10, YP
18, gels 1/4, pH 10.0, FC 1, sd 1/4, Cl 400,
solids 1.9, LCM 0, Ca 80, alk 0.4/0.7. BHA:
910.17', 6 1/8" bit, 1 4 3/4" bit sub, 30 4
9/16" DC's. Survey: 2 3/4° @ 5279'. BDT: 24
hrs drlg. DMC: \$988 CMC: \$135,827.

07-05-90: 70 DFS. Depth: 5889'. Made: 143'. PO: Drlg.
FMN: Dolomite. Bit #12 S/N ET1727 6 1/8"
HP53J in @ 5305' out @ 5748' made 464'/48 1/2
hrs, 9.5'/hr, cond 5-3-1/4. Bit #13 SN ET1715
Reed 6 1/8" HP53J in @ 5748' made 141'/15
hrs, 9.4'/hr, jets 3 x 12. Hook load 114, WOB
25, RPM 60, Pump #2 DA500, 5" liners, SPM 50,
PP 900, output 203 GPM 4.85 BPM. MW 8.7, vis
49, WL 6.4, PV 14, YP 22, gels 2/9, pH 10.0,
FC 1, sd 1/4, Cl 400, solids 2.6, LCM 0, Ca
80, alk 0.6/1.2. Survey: 2 1/2° @ 5744'. BHA:
910.17', 6 1/8" bit, 1 4 3/4" bit sub, 30 4
9/16" DC's. BDT: 15 1/2 hrs drlg; 6 hrs trip
for bit; 1 hr survey; 1 1/2 hrs wash & ream
from 5650-5748', hole little tight @ 5650'.
Picking up CO₂ & hotwire gas. DMC: \$2,031
CMC: \$137,858.

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

- 07-06-90: 71 DFS. Depth: 6172'. Made: 283'. PO: Drlg. FMN: Mississippian. Bit #13 SN ET1715 Reed 6 1/8" HP53J in @ 5748' made 424'/38 1/2 hrs, 11.0'/hr, jets 3 x 12. Hook load 115, WOB 25, RPM 60, Pump #2 DA500, 5" liners, SPM 50, PP 900, output 203 GPM 4.85 BPM. MW 8.8, vis 58, WL 6.0, PV 22, YP 27, gels 3/14, pH 10.0, FC 1, sd 1/4, Cl 400, solids 3.4, LCM 0, Ca 80, alk 0.6/1.0. BHA: 910.17', 6 1/8" bit, 1 4 3/4" bit sub, 30 4 9/16" DC's. BDT: 23 1/2 hrs drlg; 1/2 hr rig service & check BOP's. DMC: \$1,191 CMC: \$139,049.
- 07-07-90: 72 DFS. Depth: 6408'. Made: 236'. PO: Trip for bit. FMN: Thunder Springs section of the Mississippian. Bit #13 SN ET1715 Reed 6 1/8" HP53J in @ 5748' made 700'/58 1/2 hrs, 11.9'/hr, jets 3 x 12. Hook load 118, WOB 25, RPM 60, Pump #2 DA500, 5" liners, SPM 50, PP 920, output 203 GPM 4.85 BPM. MW 8.7, vis 48, WL 6.0, PV 15, YP 23, gels 2/10, pH 10.0, FC 1, sd tr, Cl 400, solids 2.6, LCM 0, Ca 80, alk 0.5/0.9. BHA: 910.17', 6 1/8" bit, 1 4 3/4" bit sub, 30 4 9/16" DC's. BDT: 20 hrs drlg; 2 1/2 hrs trip; 1/2 hr rig service & check BOP's. DMC: \$615 CMC: \$139,664.
- 07-08-90: 73 DFS. Depth: 6493'. Made: 85'. PO: Drlg. FMN: Whitmore Wash section of the Mississippian. Bit #13 SN ET1715 Reed 6 1/8" HP53J in @ 5748' out @ 6408' made 700'/58 1/2 hrs, 11.9'/hr, cond 5-3-3/16, jets 3 x 12. Bit #14 Reed S/N ET1728 6 1/8" HP53J in @ 6408' made 85'/10 1/2 hrs, jets 3 x 12. Hook load 124, WOB 20, RPM 60, Pump #2 DA500, 5" liners, SPM 50, PP 1050, output 203 GPM 4.85 BPM. MW 8.6+, vis 49, WL 6.0, PV 14, YP 25, gels 3/10, pH 10.0, FC 1, sd tr, Cl 400,

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

07-08-90: solids 1.9, LCM 0, Ca 80, alk 0.4/0.6. BHA:
(CONT'D.) 910.17', 6 1/8" bit, 1 4 3/4" bit sub, 30 4
9/16" DC's. BDT: 10 1/2 hrs drlg; 4 1/2 hrs
trip; 3 hrs RD Air Drlg Service; 6 hrs wash &
ream from 5587-5698', 6169-6408'. DMC: \$1,559
CMC: \$141,223.

07-09-90: 74 DFS. Depth: 6601'. Made: 108'. PO: TIH
w/new bit. FMN: Mississippian. Bit #14 Reed
S/N ET1728 6 1/8" HP53J in @ 6408' out @
6601' made 193'/26 hrs, cond 2-2-1/16, jets 3
x 12. Bit #15 Reed S/N KB3478 6 1/8" HP62AJ
in @ 6601', jets 3 x 12. Hook load 124, WOB
20, RPM 60, Pump #2 DA500, 5" liners, SPM 50,
PP 1050, output 203 GPM 4.85 BPM. Survey: 2
3/4° @ 6566'. MW 8.6, vis 48, WL 6.0, PV 24,
YP 24, gels 2/8, pH 10.0, FC 1, sd tr, Cl
400, solids 1.9, LCM 0, Ca 80, alk 0.4/0.6.
BHA: 910.17', 6 1/8" bit, 1 4 3/4" bit sub,
30 4 9/16" DC's. BDT: 15 1/2 hrs drlg; 4 1/2
hrs trip, work tight hole from 6518-6033',
5558-5368'; 1/2 hr rig service & check BOP's;
2 hrs survey; 1 1/2 hrs circ btms up. DMC:
\$1,150 CMC: \$142,373.

07-10-90: 75 DFS. Depth: 6691'. Made: 90'. PO: Drlg.
FMN: Devonian. Bit #15 Reed S/N KB3478 6 1/8"
HP62AJ in @ 6601' made 90'/16 1/2 hrs,
5.4'/hr, jets 3 x 12. Hook load 125, WOB 25,
RPM 60, Pump #2 DA500, 5" liners, SPM 50, PP
1100, output 203 GPM 4.85 BPM. MW 8.7, vis
60, WL 5.2, PV 20, YP 27, gels 3/16, pH 10.0,
FC 1, sd tr, Cl 700, solids 2.6, LCM 0, Ca
80, alk 0.5/0.9. BHA: 910.17', 6 1/8" bit, 1
4 3/4" bit sub, 30 4 9/16" DC's. BDT: 16 1/2
hrs drlg; 5 hrs trip; 1/2 hr rig service; 2
hrs wash & ream from 6313-6601'. DMC: \$2,459
CMC: \$144,832.

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

- 07-11-90: 76 DFS. Depth: 6840'. Made: 149'. PO: Drlg. FMN: Devonian Elbert. Bit #15 Reed S/N KB3478 6 1/8" HP62AJ in @ 6601' made 239'/40 hrs, 5.9'/hr, jets 3 x 12. Hook load 126, WOB 25, RPM 60, Pump #2 DA500, 5" liners, SPM 50, PP 1050, output 203 GPM 4.85 BPM. MW 8.7, vis 61, WL 4.8, PV 20, YP 27, gels 3/15, pH 10.0, FC 1, sd 1/4, Cl 600, solids 2.6, LCM 0, Ca 80, alk 0.6/1.1. BHA: 910.17', 6 1/8" bit, 1 4 3/4" bit sub, 30 4 9/16" DC's. BDT: 23 1/2 hrs drlg; 1/2 hr rig service & check BOP's. DMC: \$1,264 CMC: \$146,096.
- 07-12-90: 77 DFS. Depth: 6978'. Made: 138'. PO: TOOH for bit. FMN: Devonian Elbert. Bit #15 Reed S/N KB3478 6 1/8" HP62AJ in @ 6601' out @ 6978' made 377'/60 hrs, 6.2'/hr, jets 3 x 12. Hook load 128, WOB 25, RPM 60, Pump #2 DA500, 5" liners, SPM 50, PP 1100, output 203 GPM 4.85 BPM. MW 8.7, vis 57, WL 4.8, PV 19, YP 25, gels 2/14, pH 10.0, FC 1, sd nil, Cl 600, solids 2.6, LCM 0, Ca 80, alk 0.5/1.0. Survey: 6° @ 6947'. BHA: 910.17', 6 1/8" bit, 1 4 3/4" bit sub, 30 4 9/16" DC's. BDT: 20 hrs drlg; 2 1/2 hrs trip, work tight hole @ 6518', 6138', 5767-5671'; 1 1/2 hrs circ btms up. DMC: \$1,043 CMC: \$147,139.
- 07-13-90: 78 DFS. Depth: 6978'. Made: 138'. PO: TOOH for bit. FMN: Devonian Elbert. Bit #15 Reed S/N KB3478 6 1/8" HP62AJ in @ 6601' out @ 6978' made 377'/60 hrs, 6.2'/hr, jets 3 x 12, cond 4-2-1/4. Bit #16 Security S/N 84350 6 1/8" S88F in @ 6978' made 102'/12 hrs, 8.5'/hr, jets 3 x 12. Hook load 131, WOB 20, RPM 60. Pump #2 DA500, 5" liners, SPM 50, PP 1000, output 203 GPM 4.85 BPM. MW 8.7, vis 58, WL 5.0, PV 20, YP 26, gels 2/12, pH 10.0,

WELL HISTORY

PAGE -36-

BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

07-13-90: FC 1, sd tr, Cl 800, solids 2.6, LCM 0, Ca
(CONT'D.) 80, alk 0.5/0.9. Survey 6 1/2' @ 6989'. BHA:
902.39', 6 1/8" bit, 1 4 3/4" bit sub, 30 4
9/16" DC's. BDT: 12 hrs drlg; 9 hrs trip; 1
hr survey; 1 hr cut drlg line; 1 hr wash &
ream from 6885-6978'. DMC: \$1,215 CMC:
\$148,345.

07-14-90: 79 DFS. Depth: 7100' TD, 7104' E-LTD. Made:
20'. PO: Running E-Logs. FMN: Devonian. Bit
#16 Security S/N 84350 6 1/8" S88F in @ 6978'
out @ 7100' made 122'/15 hrs, 8.1'/hr, jets 3
x 12, cond 2-2-N. Hook load 133, WOB 20, RPM
60. Pump #2 DA500, 5" liners, SPM 50, PP
1000, output 203 GPM 4.85 BPM. MW 8.7, vis
57, WL 4.6, PV 18, YP 25, gels 2/12, pH 10.0,
FC 1, sd tr, Cl 800, solids 2.6, LCM 0, Ca
80, alk 0.5/0.9. BHA: 902.39', 6 1/8" bit, 1
4 3/4" bit sub, 30 4 9/16" DC's. BDT: 2 hrs
drlg; 7 hrs trip; 5 hrs circ; 9 hrs log, ran
DIGL, SDL, DSN, Dipmeter; 1 hr waited in csg.
DMC: \$3,276 CMC: \$151,630.

07-15-90: 80 DFS. Depth: 7100' TD. Made: 0'. PO: Trip
out for DST. FMN: Devonian. Hook load 133,
WOB 0, RPM 20. Pump #2 DA500, 5" liners, SPM
48, PP 1000, output 195 GPM 4.65 BPM. MW 8.7,
vis 50, WL 4.7, PV 18, YP 26, gels 2/13, pH
10.0, FC 1, sd tr, Cl 800, solids 2.6, LCM 0,
Ca 80, alk 0.5/0.9. BHA: 902.39', 6 1/8" bit,
1 4 3/4" bit sub, 30 4 9/16" DC's. BDT: 8 1/2
hrs trip; 1/2 hr rig service & check BOP's; 7
1/2 hrs circ; 4 hrs log; 2 hrs WOO; 1/2 hr
wash & ream 12' to btm; 1 hr waiting up in
csg. DMC: \$0 CMC: \$151,630.

07-16-90: 81 DFS. Depth: 7100' TD. Made: 0'. PO: Circ.
FMN: Devonian. Hook load 90, WOB 0, RPM 20.
Pump #2 DA500, 5" liners, SPM 48, PP 400,

WELL HISTORY

PAGE -37-

BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

07-16-90:
(CONT'D.)

output 495 GPM 4.65 BPM. MW 8.6, vis 48, WL 4.8, PV 17, YP 25, gels 2/12, pH 10.0, FC 1, sd tr, Cl 800, solids 2.4, LCM 0, Ca 80, alk 0.6/0.8. BHA: None. BDT: 13 hrs trip; 1 1/2 hrs circ; 5 1/2 hrs run DST #1; 2 hrs LD DC's; 2 hrs LD test tools. DST #1: 6200-6290', 95' test interval, 30-60-60-120. IHP 2812. FFP 27-186#; 30 min. FSIP 1662#; 60 min. 2 FP 213-427#; 60 min. 2 SIP 1662#; 120 min. Gas .15 CF rec in sampler. Rec 2300 cc in sampler of wtr, no oil. Rec 900' wtr in DP & DC's. RW = 1.00 @ 84°F. BH temp 126°F. Cl approx 2800. DST charts showed some skin damage. DMC: \$0 CMC: \$151,630.

LOG TOPS:

Pakoon	5020'	(1984)
Pennsylvanian		
Molas (?)	5380'	(1624)
Mississippian		
Horseshoe Mesa	5478'	(1526)
Moody Falls	5762'	(1242)
Thunder Springs	6120'	(884)
Whitmore Wash	6268'	(736)
Devonian		
Ouray Lm	6618'	(386)
Elbert	6714'	(290)

07-17-90:

82 DFS. Depth: 7100' TD. Made: 0'. PO: Released rig @ 7:00 PM 7-16-90. FMN: Devonian. Pump #2 DA500, 5" liners, SPM 50, PP 375, output 203 GPM 4.85 BPM. BDT: 1/2 hr trip; 6 hrs circ; 5 1/2 hrs (CORRECTION): set cmt plug 5400-5050' w/90 sx Class "G" cmt, yield 1.14; 1 hr WOC. DMC: \$0 CMC: \$151,630.

REMARKS: Will run liner seal assembly next week.

DROP FROM REPORT UNTIL FURTHER ACTIVITY.

WELL HISTORY

PAGE -38-

BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

07-24-90: 1 DFCC. PO: ND. Start Rig #7 up @ 7:00 AM 7-23-90. Resume operations. TOO H w/3 1/2" drl string. TIH w/Baker liner mill to dress off liner hanger @ 2997'. TOO H w/liner mill. TIH w/Baker liner seal assembly to 2997'. Press test seal assembly, liner & backside to 1000 psi, press tested OK. TOO H w/liner seal assembly. RU casers. TIH w/75 jts J55 ST&C 23# csg & Baker liner seal assembly to 2997'. RU Western Cementers. Pmpd 500 sx Class "G" cmt @ 15.8# per gal, yield 1.15 cf, total 102 bbls. PD @ 1:30 AM 7-24-90. Sting into liner & seal assembly liner. Seal assembly set into liner OK. Release Baker & Western. Start to ND. BDT: 1/2 hr mill; 8 hrs trip; 1/2 hr press test csg; 4 hrs RU & run 75 jts of 23# 7" J-55; 1/2 hr set csg slips; 2 hrs cmt csg; 6 hrs ND; 1 1/2 hrs cut off csg.

07-25-90: 2 DFCC. Depth: 5120' PBTD. PO: LD 3 1/2" DP. Rerun Security bit 6 1/8" C88F, jets 3 x 12, used to drl out cmt. WOB 5, RPM 60. Pump #2 DA500 SPM 41, PP 500, output 167 GPM, 3.9 BPM. BDT: 4 hrs trip; 7 1/2 hrs ND BOP's & NU completion stack; 6 1/2 hrs drl cmt; 3 hrs dress off plug from 5025-5120'; 2 hrs circ; 1 hr LD 3 1/2" DP. Drl out liner top from 2946-3000'.

07-26-90: 3 DFCC. Depth: 5120' PBTD. PO: Stack rig. BDT: 5 hrs LD DP & DC's; 4 hrs RD & load out 3 1/2" pipe tools. Released rig @ 3:00 PM 7-25-90.

FINAL REPORT.

John -

I am Enclosing all the data that the State may need for the Tannow 1-27 well in Wayne County Utah. If you need something else please let me know. Also John this is a very tight job so keep all this data confidential. We are planning to drill 30 miles south of the Tannow Well soon.

Thank you

RECEIVED

AUG 20 1990

U.S. GEOLOGICAL SURVEY

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
CONFIDENTIAL
SEP 28 1990

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

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

2. NAME OF OPERATOR
BEARD OIL COMPANY

3. ADDRESS OF OPERATOR
5600 N. May Avenue, Suite 200, Oklahoma City, OK 73112

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 660' FEL, 660' FSL of the SE/4
At top prod. interval reported below Same as Above
At total depth Same as Above

FEE _____

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME
TANNER

9. WELL NO.
1-27

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC. T., R. M., OR BLOCK AND SURVEY OR AREA
Sec. 27-28S-3E

14. API NO. 43-055-30038 DATE ISSUED 2-9-90 12. COUNTY Wayne 13. STATE Utah

15. DATE SPUNDED 4-27-90 16. DATE T.D. REACHED 7-16-90 17. DATE COMPL. (Ready to prod.) 9-2-90 (Plug & Abd.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.) 6990' GL 19. ELEV. CASINGHEAD 6996'

20. TOTAL DEPTH, MD & TVD 7100' 21. PLUG BACK T.D., MD & TVD 3600' 22. IF MULTIPLE COMPL., HOW MANY ----- 23. INTERVALS DRILLED BY ----- ROTARY TOOLS 0-7100' CABLE TOOLS -----

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
Sinbad Limestone 3410' to 3560'

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN *#OVER*
Dual Induction Dipmeter, Neutron Density, Micro, Sonic

27. WAS WELL CORED YES NO (Submit analysis)
DRILL STEM TEST YES NO (See reverse side)

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48	682	17-1/2"	DS #15-03-6733	None
9-5/8	40 & 36	3400	12-1/2"	DS #15-03-6797	None
Liner (See Below)					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
7	3010	5305'	755	
7	Surface	3010	500	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	3400	3400

31. PERFORATION RECORD (Interval, size and number)

Cedar Mesa 4152-4159 & 4163-4167 1 SPF Sqz
Water Zone 3660-3663 1 SPF Squeeze
Sinbad Lime 3482-3510 1 SPF
(Shut in CO₂ Gas Zone)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4152-4167	Shot - Sqzd w/20 Sx G
3660-3663	Shot - Sqzd w/500 Sx G
3482-3510	Shot - (Shut in Gas Zone)
3482-3510	1500 Gals. 15% HCl Acid

33. PRODUCTION

DATE FIRST PRODUCTION 8-30-90 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing Gas (CO₂) - Shut In WELL STATUS (Producing or shut-in) Shut In

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
8-30-90	47	64/64	→	0	1.7 MMCF	1	-----

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)
275	0	→	0	1.7 MMSCF/D	1	-----

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented (Flared to Atmosphere)

TEST WITNESSED BY _____ State of Utah

35. LIST OF ATTACHMENTS
All Well Data was sent to State of Utah 9-1-90 (Debra)

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

SIGNED David L. Allred TITLE Petroleum Engineer DATE 9-18-90

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.
 ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above)

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.

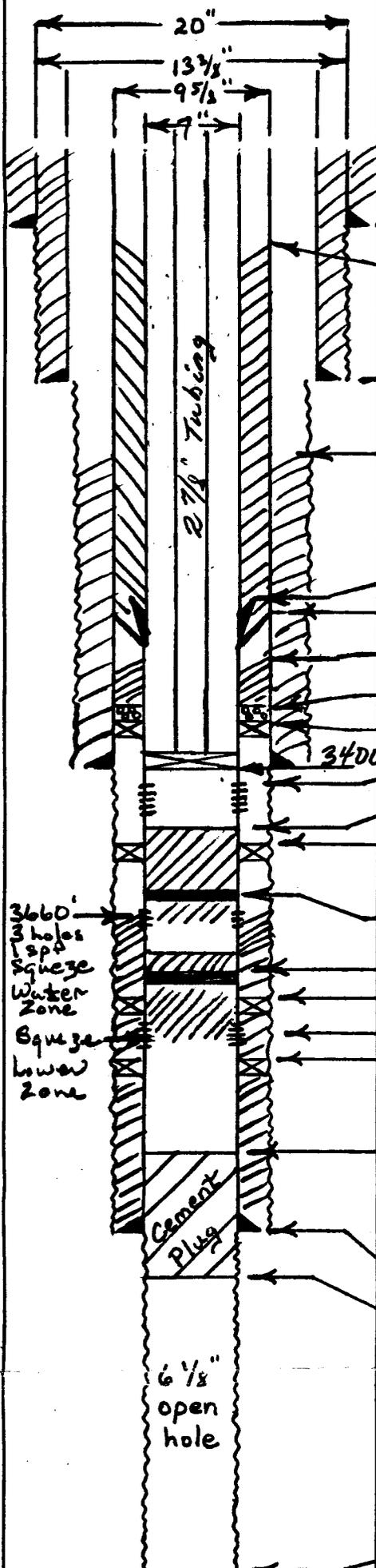
Formation	Top	Bottom	Description, contents, etc.	Name	Top
					Meas. Depth True Vert. Depth
All Reports dealing with Logs, DST, Cement Plug Back, Drilling Reports were sent to State of Utah on 9-1-90.					
Enclosed is the Well Completion Data such as: Well perforations, Squeezed Intervals, Cement Retainers, Plug Back TD, Tubing w/Packer Information.					
If you have any questions, feel free to call me: David I. Allred (405) 842-2333					

NOTE: THIS INFORMATION IS CONFIDENTIAL

OIL AND GAS	
DPN	GLH
SPB	GLH
DIS	SLB
2-DMEV ✓	
2-VIC ✓	
MICROFILM	
4-	FEB

*LOGS RECD: CEMENT BOOD LOG
 SPECTRAL DENSITY DUAL SPACED NEUTRON
 RAW SHDT W/DIR. PLOTS

WELL PROFILE



OPERATOR Beard Oil Co.

WELL # Tanner 1-27

FIELD Wildcat

COUNTY Wayne

STATE Utah

DATE _____

NEW COMPLETION WORKOVER

Casing

Liner

Tubing

SIZE

WEIGHT

GRADE

THREAD

DEPTH

ITEM NO.

EQUIPMENT AND SERVICES

ESTIMATE OR DEPTH

60' of 20" Conductor Pipe.

Top of Cement @ 150' for 7" Casing Tie back

682' of 13 3/8" Surface Pipe

Top of Cement @ 900' for Intermediate Casing

3010' is bottom of Liner tie back assembly.

3010' is top of Liner hanger.

3070' is top of good cement from port collar.

3359' is top of port collar.

3362' is top of 1st ECP inside Cased 9 5/8"

3400 packer 3482 to 3510' perft. @ 1 spft (Sinbad limestone) *

3600' is Plug Back TD

3623' is top of 2nd ECP

3645' top of top Cement Retainer.

4120' top of Bottom Cement Retainer

4132' is top of 3rd ECP

4152 to 4159 & 4163 to 4167 perft. @ 1 spft

4222' is top of 4th ECP

5150' is top of Cement plug.

COMMENTS

5305' is Liner hanger TD.

5400' is bottom of cement plug.

TD = 7100'

PREPARED BY

David Ivan ALLRED

OFFICE Phone

(405) 842-2333

PHONE

MILLER

SERVICE TOOLS
PRODUCTION TOOLS
COMPLETION SYSTEMS
REPAIRS

PACKERS ¹/_N _C

VERNAL, UTAH
RANGELY, COLORADO
(801) 781-0666



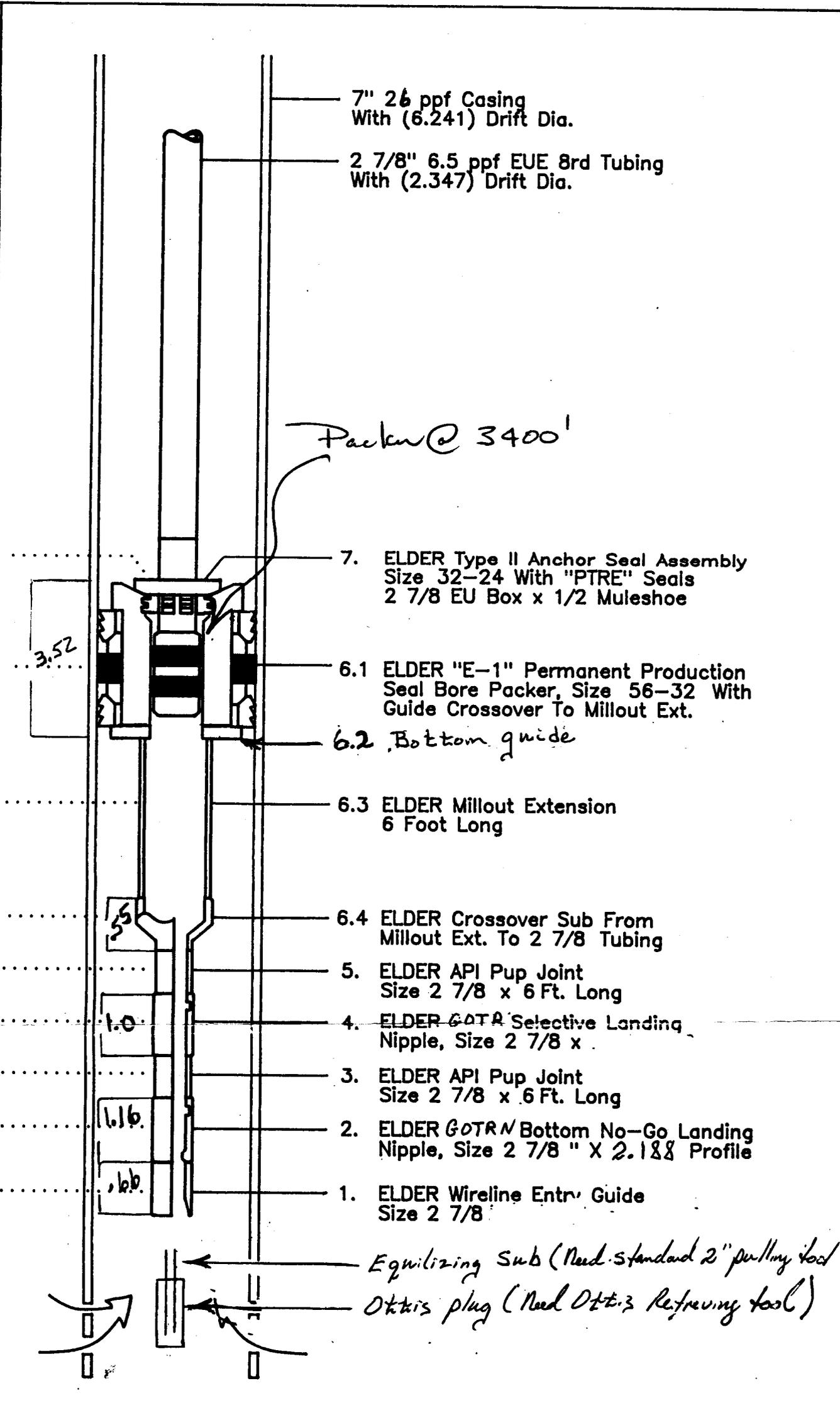
YORKTOWN, TEXAS 78164
(512) 564-2201

CUSTOMER: BEARD OIL TOOL

DATE: 6-1-90

REF: 138-YWH-90

MAX. O.D.	MIN. I.D.
---	6.366
3.668	2.441
4.000	2.406
5.687	3.250
4.500	3.826
5.562	2.441
3.668	2.441
3.668	2.313
3.668	2.441
3.688	2.205
3.668	2.500



WELL HISTORY

PAGE -38-

BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

TIGHT HOLE

07-24-90: 83 DFS. PO: ND. Start Rig #7 up @ 7:00 AM 7-23-90. Resume operations. TOO H w/3 1/2" drl string. TIH w/Baker liner mill to dress off liner hanger @ 2997'. TOO H w/liner mill. TIH w/Baker liner seal assembly to 2997'. Press test seal assembly, liner & backside to 1000 psi, press tested OK. TOO H w/liner seal assembly. RU casers. TIH w/75 jts J55 ST&C 23# csg & Baker liner seal assembly to 2997'. RU Western Cementers. Pmpd 500 sx Class "G" cmt @ 15.8# per gal, yield 1.15 cf, total 102 bbls. PD @ 1:30 AM 7-24-90. Sting into liner & seal assembly liner. Seal assembly set into liner OK. Release Baker & Western. Start to ND. BDT: 1/2 hr mill; 8 hrs trip; 1/2 hr press test csg; 4 hrs RU & run 75 jts of 23# 7" J-55; 1/2 hr set csg slips; 2 hrs cmt csg; 6 hrs ND; 1 1/2 hrs cut off csg.

07-25-90: 84 DFS. Depth: 5120' PBT D. PO: LD 3 1/2" DP. Rerun Security bit 6 1/8" C88F, jets 3 x 12, used to drl out cmt. WOB 5, RPM 60. Pump #2 DA500 SPM 41, PP 500, output 167 GPM, 3.9 BPM. BDT: 4 hrs trip; 7 1/2 hrs ND BOP's & NU completion stack; 6 1/2 hrs drl cmt; 3 hrs dress off plug from 5025-5120'; 2 hrs circ; 1 hr LD 3 1/2" DP. Drl out liner top from 2946-3000'.

7-27 07-26-90: 85 DFS. Depth: 5120' PBT D. PO: Stack rig. BDT: 5 hrs LD DP & DC's; 4 hrs RD & load out 3 1/2" pipe tools. Released rig @ 3:00 PM 7-25-90.

FINAL REPORT.

08-21-90: → 1 DFCC. RU Pool Well Service. Run junk basket & gauge tin to PBT D @ 5140'. Run CBL from PBT D to surf. CBL looked good. TOC @ 150' from surf.

First day of completion

WELL HISTORY

PAGE -39-

BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

T I G H T H O L E

- 08-22-90: 2 DFCC. RU Goodman Safety & Survival, Perf Cedar Mesa zone from 4152-4159' & 4163-4167', 11' total @ 1 SPF w/4" csg gun. TIH w/129 jts 2 7/8" drifted & tested tbg & Elder pkr to 4029'. Set pkr @ 4029'. Tree up National Wellhead & plumb braden head & B sections for the State of Utah. Swb 25 bbls of fluid. FL stayed @ 3000' last couple of runs. SDFN.
- 08-23-90: 3 DFCC. RU HRS Well Testers. WHP 0, CP 0 @ 7:00 AM. Swb well all day. FL stayed @ 3200' w/no shows of gas or CO₂. Recovered a total of 200 BW. Release HRS until next week. SDFN.
- 08-24-90: 4 DFCC. TOO H w/2 7/8" tbg & Elder pkr @ 4029'. ND wellhead. NU BOP. TIH w/mechanical cmt retainer to squeeze Cedar Mesa zone. Establish injection rate @ 2 BPM @ 200 psi. Start cmt, pmpd 20 sx of Class "G" cmt. Fmn squeezed to 2000 psi w/no problems. Sting out of cmt retainer & spot 1 bbl of cmt on top of retainer. TOO H w/tbg & stinger. RU Mercury Wireline to shoot upper wtr zone. Shoot upper wtr zone from 3660-3663' @ 1 SPF. Run wireline cmt retainer & set @ 3645'. TIH w/2 7/8" tbg to squeeze wtr zone. Establish injection rate @ 4 BPM @ 0 psi. Start cmt, pmpd 400 sx of Class "G" cmt @ 2 1/2 BPM to 1 BPM w/slight press increase on last 50 sx to 250 psi. No squeeze. SDFN.
- 08-25-90: 5 DFCC. Establish injection rate for 2nd attempt to squeeze wtr zone @ 2 BPM @ 400 psi. Pmpd 100 sx Class "G" cmt w/2% CaCl & Flo-seal. Squeezed fmn to 800 psi w/50 sx cmt in fmn. Sting out of cmt retainer, pull 1 jt to leave 30' cmt on top of retainer. Reverse

WELL HISTORY

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BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

TIGHT HOLE

08-25-90: out 40 sx cmt to the pit. TOOH w/tbg & cmt
(CONT'D.) retainer stinger.
08-26-90: 6 DFCC. WO equipment.
08-27-90: 7 DFCC. WO equipment.
08-28-90: 8 DFCC. TIH w/2 7/8" tbg & swb csg to 2600'.
TOOH w/tbg. RU Mercury Wireline. Run 6" junk
basket & gauge ring to the new cmt PBTB @
3600'. Run 4" csg gun to perf Sinbad
Limestone @ 3482-3510', 28' @ 1 SPF. FL
increased 150' after perforating. No blow @
surf. Run in Elder Model EFI prod pkr to
3400' & set on wireline. TIH w/109 jts 2 7/8"
tbg. Space out w/1 10' & 1 8' subs. Circ
backside w/KCL wtr. Sting into pkr & press
test backside to 1000 psi - tested OK. ND
BOP. Install National wellhead. Press up on
tbg to pmp out pkr pmp out plug to 1500 psi.
Swb tbg down to pkr @ 3400'. A very small
blow @ surf. SDON.
08-29-90: 9 DFCC. Swb on well. Swbd 2 bbls. A very
small blow of CO2, too small to measure.
Remarks: Will do acid job today, 08-29-90.
08-30-90: 10 DFCC. RU Western for acid job on Sinbad
Lime zone at 3482'-3510', head in 1500 gals.
of 15% HCL acid @ 3 BPM, formation pressured
up to 1500 psi and broke @ 1500 psi, increase
rate up to 8 BPM @ a 1000 psi, formation
treated well. Min. pressure 1000 psi, max.
pressure 1500 psi, Avg. pressure 1250 psi.
Displace acid with 25 bbls fresh water, ISIP
0. RD Western, start to swab well, made 3
swab runs & recovered 15 bbls of water & well
kicked off @ 1 PM 8-29-30. Well unloaded
acid & water, displacement by 3 PM & started
blowing all CO2 gas. Started testing well @
3 PM thru HRS separator unit. Well

WELL HISTORY

PAGE -41-

BEARD OIL COMPANY, TANNER #1-27
SE SE SECTION 27-28S-3E
WAYNE COUNTY, UTAH

BOC WI: 100% BPO
BOC WI: 75% APO
AFE PWC: \$1,385,700
AFE DHC: \$1,333,200

CONTRACTOR: WIN-ROCK DRILLING, RIG # 7
ELEVATION: 6990' GL; 7004.50' KB
7500' MISSISSIPPIAN TEST

TIGHT HOLE

08-30-90: stabilized @ 4:30 PM & has been making steady 1.7MM CO2 thru the test equipment. Wellhead pressure 275 psi, meter run has a 2.25 orifice plate with 150 psi line pressure & 37# differential.

08-31-90: 11 DFCC. Flowed well until 6:00 PM 8-30-90 for a 27 hr flowing test. Meter run results: Railroad tracks from 4:30 PM 8-29-90 to end of test 8-30-90. Gas rate data results: Wellhead pressure 270 psi, meter run had a 2.25 orifice plate w/161 psi line pressure, 36 psi differential pressure. Gas gravity 1.26, gas rate 1.7MM SCF per day. SWI @ 6:00 PM 8-30-90 to RU Otis BHP testing, soft set bombs @ 3430 in Otis nipple below pkr @ 7:30 PM. Open well back up @ 8:00 PM, SITP @ 8:00 PM was 485 psi. Flowed well until 1:00 AM 8-31-90 to stabilize well for build-up test. SWI @ 1:00 AM for build-up test.

09-01-90: 12 DFCC. Bombs still on btm.

09-02-90: 13 DFCC. Pulled bombs @ 7 AM. Press build up date will be available within the next week. Run static press test to mid perms @ 3496'. BHP 561.3 psi. RIH w/pkr plug, set pkr plug in Otis nipple. Load tbg w/corrosion inhibited wtr. SIW. Lock up wellhead. Build fence around wellhead. RD Otis.

DROP FROM REPORT UNTIL DATA AVAILABLE.

WESTERN PETROLEUM SERVICES CEMENTING REPORT

DATE 7-16-90 DISTRICT V AL F.R.# LIT 9046
 OPERATOR BEARD OIL COMPANY
 WELL NAME & NUMBER TANNER 1 - 27
 LOCATION: SEC. 27 BLOCK OR TOWNSHIP 28S SURVEY OR RANGE 3E
 COUNTY WAYNE STATE UTAH
 STAGE NUMBER 1 TYPE JOB PLUG BACK

TPG/DP: Size <u>3 1/2</u> Weight <u>15.5</u> Disp. <u>.00658</u>	Conductor	Surface	Int.	Prod.	Liner
Perforated Interval _____	Size		95/8		7"
Pkr. Type _____ Set at _____	Weight				26#
Open Hole Size <u>6 7/8 - 6 1/2</u> Formation _____	Thread		8		8
Stage Collar Type _____ Set at _____	Capacity				
Estimated Wash Out _____ %	Depth		3000'		5305

Sacks or Bbls.	Composition of Cement and Spacer	Gals/sk H2O	Weight Lb/Gal	Yield Ft 3	Pump Time Hours	TOTAL Cu. Ft.	TOTAL Bbls.
50 SKS	"G" CEMENT 1st PLUG	4.97	15.8	1.14	2.5	57	10.15
40 SKS	"G" CEMENT 2nd PLUG	4.97	15.8	1.14	2.5	45.6	8.12

Total Mix H2O 10.7 Bbls. Total Displacement H2O & varies Bbls, Type MUD Total Products 18.27 Bbls

Time	Remarks	Rate	Pressure	
			Working D.P.	Casing
	1st PLUG 5406 - 5205			
7:32	START 10 BBLS H2O AHEAD	3.0		
7:36	START CEMENT 10.15 BBLS	3.0	300	
7:43	ALL CEMENT START H2O BEHIND 2.5 BBLS	3.5	-0-	
7:44	START MUD DISP. 31.1	4.0	200	
7:50	SHUT DOWN	4.0	400	
	2 ND PLUG 5205 - 5050			
11:52	START CIRC. HOLE CLEAN	5.0	300	
12:55	SHUT DOWN HOLE CLEAN	5.0	700	
1:19	START CEMENT PLUG 8.12 BBLS	2.7	100	
1:22	ALL CEMENT START DISP 32.9 BBLS	4.0	50	
1:28	SHUT DOWN	5.0	300	
1:44	START CIRC HOLE	4.0	400	
2:46	SHUT DOWN (250 BBLS)	5.0	700	
2:46+	START LINE AND CORROSION INHIBITOR 300 BBLS	5.0	700	
3:55	SHUT DOWN			

RECEIVED
 JUL 23 1990

Beard Oil Co.

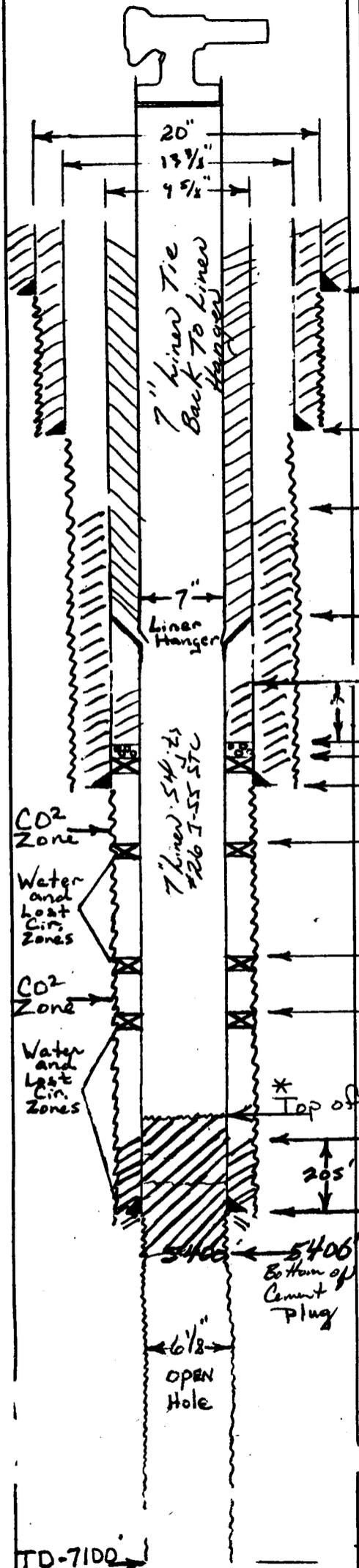
Break Down At _____ BPM At _____ PSI
 Squeezed To _____ PSI Running _____ Hesitation _____
 Reversed out _____ BBL Slurry at _____ PSI
 Customer considered service _____ Satisfactory _____ Unsatisfactory _____
 Max Pressure 2000 Differential Press. _____
 Bumped Plug Yes No Pressure to _____
 Cmt. Circ. to surface _____ Sacks _____
 Float Held _____ Yes _____ No _____
 Shut in with _____ PSI
 Customer Rep: DAVID ALLRED Service Supervisor R S VANCE

WELL PROFILE

TO: Ivan & Martin
 Revised Well Profile

OPERATOR Beard Oil Co.
 WELL # Tanner 1-27
 FIELD Wildcat
 COUNTY Wayne
 STATE Utah
 DATE 6-29 90
 NEW COMPLETION WORKOVER

	Casing	Liner	Tubing
SIZE			
WEIGHT			
GRADE			
THREAD			
DEPTH			



ITEM NO.	EQUIPMENT AND SERVICES	ESTIMATE OR DEPTH
	60' of 20" Conductor	
	682' of 13 3/8" Surface	
	Top of Cement @ 900' for Intermediate Casing	
	Top of Liner Hanger @ 2997'	
	Cement 204' from Top ECP to 3150'	
	Top of 3' part collar @ 3354'	
	Top of 1st ECP @ 3357' inside intermediate	
	3397' of 9 5/8" Intermediate Casing	
	Top of 2nd ECP @ 3618'	
	Top of 3rd ECP @ 4127'	
	Top of 4th ECP @ 4218'	
	* Top of Cement Plug @ approx 5050'	
	Top of Cement for 7" Liner @ 5100'	
	205' of good Cement @ Bottom of Liner	

5305 is Liner TD

COMMENTS

Ran 4 ECP to isolate CO₂ gas zones

Formation Tops:

Sinbad @ 3410'	Permian @ 5012'
Black Dragon @ 3570'	
Kiabad @ 3640'	
White Rim @ 3886'	
Torowear @ 3974'	
Cedar Mesa @ 4345'	

PREPARED BY David L. Althel OFFICE (801) 425-3842 PHONE _____



SERVICE TOOLS
 PRODUCTION TOOLS
 COMPLETION SYSTEMS
 REPAIRS



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 RANGELY, COLORADO
 (801) 781-0666

YORKTOWN, TEXAS 78164
 (512) 564-2201



DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. *Tanner 1-27* LOCAT (LEGAL) *SE Sec 27 T28S R3E*

FIELD-POOL *Wildcat* FORMATION *Carmel*

COUNTY/PARISH *Wayne* STATE *Utah* API. NO.

NAME *Beard Oil Co*

AND *43-053-30038*

ADDRESS _____ ZIP CODE _____

RIG NAME: *Olsen Drilling #7*

WELL DATA: BOTTOM TOP

BIT SIZE *1 7/8* CSG/Liner Size *13 3/8*

TOTAL FEET *685* WEIGHT *48*

ROT CABLE FOOTAGE *681*

MUD TYPE *Wt* GRADE *K-55*

BHST BHCT THREAD *8nd*

MUD DENS *8.9* LESS FOOTAGE SHOE JOINT(S) *39* TOTAL *100.7*

MUD VISC *50* Disp. Capacity *100.7* TOTAL *100.7*

NOTE: include Footage From Ground Level To Head In Disp. Capacity

SPECIAL INSTRUCTIONS *Cement in place*

685' of 13 3/8 csg as follows

Pump 20 bbl WTR

320 sx head

200 sx Tail

Drop Top Plug Displace csg w/ 10 bbl wtr

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE *1000* PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT *D.A. 1500* PSI BUMP PLUG TO _____ PSI

ROTATE _____ RPM RECIPROCATE _____ FT No. of Centralizers *5*

SHOE Float TYPE *Insert Float* DEPTH *642*

SHOE Stage Tool TYPE *Cmt Emine* DEPTH *682*

Head & Plugs TBG D.P. SQUEEZE JOB

Double WEIGHT GRADE THREAD

Single SWAGE KNOCKOFF

TOP NEW USED

BOT NEW USED

TAIL PIPE: SIZE DEPTH

TUBING VOLUME Bbls

CASING VOL. BELOW TOOL Bbls

TOTAL Bbls

ANNUAL VOLUME Bbls

TIME 0001 to 2400 PRESSURE TBG OR D.P. CASING VOLUME PUMPED BBL INCREMENT CUM

JOB SCHEDULED FOR TIME *1600* DATE *5-3* ARRIVE ON LOCATION TIME *1630* DATE *5-3* LEFT LOCATION TIME *0230* DATE *5-4*

TIME	TBG OR D.P.	CASING	VOLUME PUMPED BBL	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
1600							PRE-JOB SAFETY MEETING
1630							ARRIVE LOC w/ Float Equip
1700							Trucks arrive on loc
1730							Stand by while running csg
1800							Rig up cmt head to rig
1830							START CIRC w/ Rig Pump
1900							Held Safety Meeting
1930							Switch lines to DS
2000							Press test lines 2000
2030							Start Pumping water
2100							START Mix Head Slurry
2130							START Mix Tail Slurry
2200							Shutdown - Drop Top Plug
2215							Start Displace casing
2235							Lower Rate
2351							Lower Rate
2352							Shutdown CK Float
2356							
0024							
0034							
0035							
0051							
0051							
0101							

REMARKS *PH 6.9 Ch 200 Cg 130 not holding close in manifold*

Sulphate 200 Temp 55° Job complete

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY		
1.	320	2.12	35:65	6% D-20	2% S-1	10 1/2 SK	12.1	12.3
2.								
3.	200	1.15	Class C7	2% S-1			40	15.8
4.								
5.								
6.								

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. 200 MIN: 0

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO 70 Bbls.

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. *101* Bbls TYPE OIL STORAGE BRINE WATER

Washed Thru Perfs YES NO TO FT MEASURED DISPLACEMENT WIRELINE INJECTION W/LOCAT

PERFORATIONS CUSTOMER REPRESENTATIVE *Dave Allred* DS SUPERVISOR *John Sanna*



DS-496 PRINTED IN U.S.A.

DOW L SCHLUMBERGER INCORPORATED

PAGE 2 DS DISTRICT Jernal, Utah

WELL NAME AND NO. Tanner 1-27 LOCATION (LEGAL) Sec 27 T28S R3E FIELD-POOL Wilcoat FORMATION - COUNTY/PARISH Wayne STATE Utah API. NO.

RIG NAME: Olson Drilling WELL DATA: BIT SIZE 7" TOTAL DEPTH 26 FOOTAGE 2264 MUD TYPE TSS GRADE TSS THREAD 3/8" MUD DENSITY - MUD VISC. -

NAME Beard Oil AND ADDRESS ZIP CODE

SPECIAL INSTRUCTIONS Mix & Pump 45stk G Via 3 1/2" Drill Pipe thru a Port Collar @ 3354'

NOTE: Include Footage From Ground Level To Head In Disp. Capacity Head & Plugs: TBG, D.P., SQUEEZE JOB Double, Single, Swage, Knockoff, THREAD IF, TUBING VOLUME 21 Bbls, CASING VOL. BELOW TOOL - Bbls, TOTAL 21 Bbls, ANNUAL VOLUME 191 Bbls

IS CASING/TUBING SECURED? YES NO LIFT PRESSURE PSI CASING WEIGHT SURFACE AREA (3.14 x R^2) PRESSURE LIMIT 1500 PSI BUMP PLUG TO PSI ROTATE RPM RECIPROCATATE FT No. of Centralizers

TIME 0001 to 2400 PRESSURE TBG OR D.P. CASING VOLUME PUMPED BBL INCREMENT CUM JOB SCHEDULED FOR TIME: ASAP DATE: 6-29 ARRIVE ON LOCATION TIME: 0900 DATE: 6-28 LEFT LOCATION TIME: DATE: 6-28

Table with columns: TIME, PRESSURE, VOLUME PUMPED BBL, INJECT RATE, FLUID TYPE, FLUID DENSITY, SERVICE LOG DETAIL. Includes entries for 1506, 1511, 1529, 1532, 1543, 1547.

REMARKS

Table with columns: SYSTEM CODE, NO. OF SACKS, YIELD CU. FT/SK, COMPOSITION OF CEMENTING SYSTEMS, SLURRY MIXED BBLs, DENSITY. Includes entries for G Neat Cement.

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE 350 MAX. 160 MIN: 0 HESITATION SQ. RUNNING SQ. CIRCULATION LOST Cement Circulated To Surf. YES NO Bbls. BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 12 Bbls. TYPE OF WELL OIL GAS STORAGE INJECTION BRINE WATER WILDCAT WASHED THRU PERFS YES NO TO FT MEASURED DISPLACEMENT WIRELINE PERFORATIONS CUSTOMER REPRESENTATIVE Dave Allred DS SUPERVISOR Joe Reese

CEMENTING SERVICE REPORT



TREATMENT NUMBER: 1503 6819 DATE: 6-28-90
 DISTRICT: Vernal, UT

DS-496 PRINTED IN U.S.A. DON L SCHLUMBERGER INCORPORATED

WELL NAME AND NO. Tanner 1-27		LOCATION (LEGAL) Sec 27 728 SRSE		RIG NAME: Olsen Drilling	
FIELD-POOL Wildcat		FORMATION		WELL DATA: BIT SIZE: 8 3/4" 7" BOTTOM: 9 3/8" 4 1/2" TOP: 16 1/4"	
COUNTY/PARISH Wayne		STATE Utah		TOTAL DEPTH: 2264 WEIGHT: 26 FOOTAGE: 40 3002	
NAME Beard Oil		API. NO.		MUD TYPE: 155 GRADE: - LESS FOOTAGE: - SHOE JOINT(S): - TOTAL: 441.7885	
ADDRESS		ZIP CODE		MUD VISC. Disp. Capacity	

SPECIAL INSTRUCTIONS:
Set 7" 26" 2264' with 755 SKS 10-0 RFC via 4 1/2 DP, + Displace w/ H2O
2nd Job Open Port Collar Pump 45SK
3 1/2 DP H2O Displ with H2O

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE: **780** PSI CASING WEIGHT + SURFACE AREA (3.14 x R²): **610** PSI
 PRESSURE LIMIT: **1500** PSI BUMP PLUG TO: **610** PSI

ROTATE: RPM RECIPROCATE: FT No. of Centralizers: **4**

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME: 7:50 DATE: 6-27			ARRIVE ON LOCATION TIME: 0200 DATE: 6-28		LEFT LOCATION TIME: 6:28 DATE: 6-28	
	TBG OR (O.P.)	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
0845	70	-	225	0	4	Cmt	14	PRE-JOB SAFETY MEETING			
0906	-	-	-	-	-	-	-	Start Pumping Slurry			
0909	60	-	-	-	4	Cmt	14	Shutdown. Clean down Spout.			
0928	-	-	-	-	-	-	-	Resume Pumping Slurry			
0934	30	-	-	-	4	Cmt	14	Shutdown Clean down Spout			
0951	-	-	-	225	-	-	-	Resume Pumping Slurry			
0952	0	-	129	0	8	H2O	8.32	Shutdown. Drop Drill Pipe Plug.			
0958	10	-	-	40	2	"	"	Start Pumping Displacement			
1000	80	-	-	46	6	H2O	8.32	Lower Pump Rate to Pickup liner Plug.			
1015	200	-	-	125	1.5	"	"	Increase Pump Rate.			
1016	610	-	-	127	-	-	-	Slow Rate.			
1018	0	-	-	-	-	-	-	Shutdown. Bump Plug.			
1022	2000	2000	-	128	1	H2O	8.32	Release Pressure. Check float OK			
1024								Pump up to Set Inflatable PKR.			
								Bleedoff Pressure			
								Job Complete for 7" Liner.			

REMARKS: **60 PKR**

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BLS	DENSITY	BLS	DENSITY		
1.	755	1.67	10-0 RFC, 5# SK Kollite, .1% D-74R				225	14
2.								
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE: HESITATION SG. RUNNING SG. VOLUME: **129** Bbls DENSITY: **2000** MAX. **610** MIN: **0**

CIRCULATION LOST: YES NO Cement Circulated To Surf. YES NO Bbls.

DISPLACEMENT VOL. **129** Bbls TYPE OF WELL: OIL GAS STORAGE: INJECTION BRINE WATER WILDCAT

Washed Through Peris: YES NO TO: **FT** MEASURED DISPLACEMENT: WIRELINE

PERFORATIONS: TO: / TO: / CUSTOMER REPRESENTATIVE: **Dave Allred** DS SUPERVISOR: **Joe Reese**

LINER TOOL REPORT

FORMCO NO. BST-20-36

For Eng. Use Only:

- Normal Job
- Unsatisfactory Job
- Interim/Prototype Job

1 ___ 2 ___ 3 ___ 4 ___ 5 ___ 6 ___ 7 ___ 8 ___ 9 ___ 0 ___

Customer Bearcat Oil Tools Date July 23, 90 SSI# 125-74516
 Field/Block w/c Lease Tanner Well 1-27
 Dist. Mgr. Bob Spraks BST District Casper/Denver Job Log No. 10365

1. WELL INFORMATION: Cased Hole Depth 3397 Open Hole Depth 5308'
 Deviation - True Vertical Depth 5308'

Hole Problems (lost circulation, tight spot, etc.): Bridge @ 4049'
 Csg. size _____ Weight _____ Grade _____ Shoe @ _____

Liner Tieback to surface 7" 23" J-55 8RD 2997'
 2. LINER INFORMATION: Size 7 Weight 26 Grade J-55 Threads 8RD
 Length 2307 Top 2997 Overlap 400 Pick-up Wt. _____ Slack-off Wt. _____

3. DRILL PIPE: Size 3 1/2 Weight 15.50 Grade E top
 Size _____ Weight _____ Grade _____ btm Running Speed _____ min. std.

Mill Run: Went into liner no problem. Rotated through w/ no pres. increase.

Tool Description	Commodity No.	F.O.D.	I.D.	Length	Depth	Did Tool Function Properly Y/N
7 7/16" OD Tieback Mill Fluted	275-21-0172	7 7/16	3 3/4	1.54	3003	Yes - Went Right in
8 3/8" OD String Mill	275-21-0234	8 3/8	2 1/4	4.17	2997	Yes - Trapped Top Len
Liner Tieback Stem w/ 3 sets O-Rings	272-23-0167	7 1/2	6 245	6.00	2997	Yes - Tested & Held
Flex Collar w/ Buffer & 1/2" O.D. Face	299-90-9999	7 1/2	6 245	.87	2955	Yes - Held 1700psi

Dummy Run: Stung into L.R.N. Tested 800psi inside, 1000psi annulus. Held Good

4. SETTING RESULTS: NA psi applied to hydraulic hanger. Pressure to shear out seat in #2 landing collar _____ (if applicable). Did hanger set? (yes NA or no _____) Rounds to release setting tool NA
 Press. to Rel. Hyd. Setting Tool _____ Right-hand set _____, or left-hand set _____? Rounds to set hanger _____
 Picked up _____ to check for liner weight loss. Total weight loss _____

5. CONDITIONING: Mud circulated after run on bottom 1 hours @ 6 bbls/minute. Mud weight Mud w/ H₂O
 Maximum pressure _____ circulated before (_____) or after (_____) hanger was set?

6. CEMENT JOB: Weight on setting tool while cementing 500 sks / 102 bbls Cemented by Western Cementers
 Calculated pumping time 3 hrs min. Pumped water or spacer ahead of cement H₂O in Hole. Behind cement H₂O. Cement weight 15.8. Percent of excess 10% Start mixing @ 11:30 AM
 Finish displacing plug at 12:35 AM. Max. pressure 1150psi. Displacement rate 2 BPM

7. PLUG DISPLACEMENTS: Pumpdown plug bumped up at NA. Calculated displacement 116 bbls TOTAL
 Pressure from NA to _____ to shear plugs. Liner wiper plug bumped up at RIFT CMT pres 1150psi
 Calculated displacement 116 1/2. Pressure plugs bumped at 1700 - 500psi over

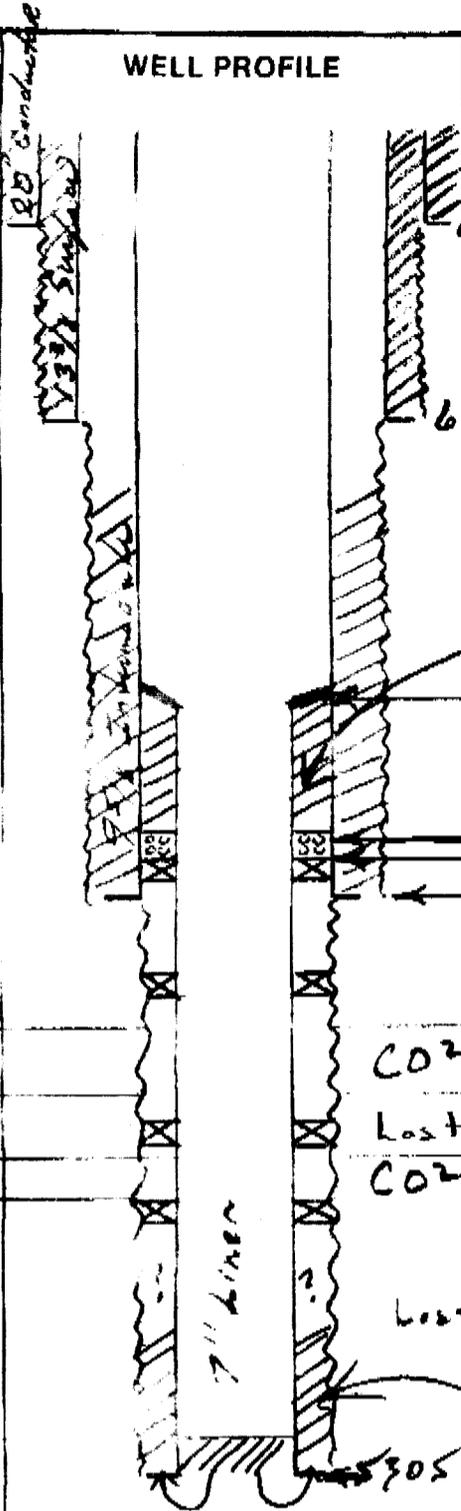
8. FOLLOW-UP ACTION REQ'D: Yes No
No CMT. Back, however CMT. Very close to top w/ 1150psi case. & Mea. Displacement.

9. COMMENTS: Seals tested & held on dummy run, before cementing & after cement.
Set 25,000 # wt. on stem. Bal. of 32,000 # for surface slips

[Signature]
Baker Rep. Signature

[Signature]
Customer Rep. Signature
Great Job Thanks!!!

WELL PROFILE



OPERATOR Beard Oil Co.
 WELL # Tanner 1-27
 FIELD Wildcat
 COUNTY Wayne
 STATE Utah
 DATE _____
 NEW COMPLETION WORKOVER

	Casing	Liner	Tubing
SIZE			
WEIGHT			
GRADE			
THREAD			
DEPTH			

ITEM NO.	EQUIPMENT AND SERVICES	ESTIMATE OR DEPTH
	* Cemented from bottom of part collar to the top of the liner hanger. Top of liner hanger @ 2997'	
	Part Collar @ 3354'	
	Top Expandable Casing Packs @ 3357'	
	Casing Seat 9 5/8 @ 3397' Intermediate	
	CO ₂ zone	
	Lost Circulation zone	
	CO ₂ zone	
	Lost Circulation zones	
	Top of Cement unknown now. I will run cement bond log next couple of days	

COMMENTS

Run 4 Expandable Casing packs to seal off CO₂ gas zones.

* A Hem o

John Bara & Mike have

PREPARED BY

OFFICE

PHONE

David A. Miller (801) 425-3842



MILLER

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State of Utah
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

Norman H. Bangertter
Governor

Suzanne Dandoy, M.D., M.P.H.
Executive Director

Kenneth L. Alkema
Director

201 East 500 North
Richfield, Utah 84701
(801) 896-5451

October 3, 1990

RECEIVED
OCT 05 1990

Commissioner John Brinkerhoff
246 West 100 North
Bicknell, Utah 84715

DIVISION OF
OIL, GAS & MINING

Dear John;

You will recall talking with me by phone a couple of weeks ago, concerning a well which had recently been drilled about a mile west of Bicknell, and the drilling fluids which had been left in a pond at the site. I apologize for taking so long to address this item, but I waited until I could profitably spend an entire day in Wayne County. Budgets being what they are, I wanted to take full advantage of the travel time.

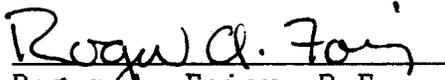
I could not contact Bliss Brinkerhoff, but his wife was able to give me the location of the well. I drove out to the site and walked in to the well and disposal pond. It appears to me to be a gas or oil well. Drilling fluids have been deposited in a shallow pond adjacent to the casing. The pond is lined with a 22 mil synthetic liner which appears to be in tact and adequate for the purpose. The pond contains what appears to be normal drilling mud (bentonite), drilling fluids and cuttings from the hole. I could also detect some oil and grease. Although I cannot be absolutely sure of all materials which may be contained in the drilling fluids, I assume that it would be the normally used materials. The Division of Oil, Gas and Mining has told me that "there should be nothing to worry about in such a lined pond, with normal drilling fluids."

It is common practice, and acceptable to the State of Utah, for the driller to wait until all moisture is naturally evaporated from the pond and then either remove the remaining material for disposal at another location, or to bury it in place. If it is buried in place, the liner should be folded over the top of the material, enclosing it fully, prior to burial. The disposal method chosen depends mostly on the driller and the owner of the land. In this case, I understand that the land is owned by someone named Tanner, not the oil company which

driller the hole. We might assume that the land owner will insist that the material be disposed of properly, along with bags of oil soaked sawdust, wood pallets, plastic buckets, etc. which remain at the site.

If this is not adequately done soon after the moisture from the pond has evaporated, I would be glad to follow-up with the County sanitarian to see that Beard Oil Company and/or the land owner begins proper disposal and clean-up of the remaining materials. Please keep me informed of their progress or lack of such.

Sincerely,


Roger A. Foisy, P.E.
District Engineer

cc; Beard Oil Company, Oklahoma City, OK
Bruce Costa, Central Utah District Health Dept.
Brad Hill, Division of Oil, Gas and Mining

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

<p>SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen wells in a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)</p>		<p>5. LEASE DESIGNATION & SERIAL NO FEE</p>
		<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____</p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/></p>		<p>7. UNIT AGREEMENT NAME _____</p>
<p>2. NAME OF OPERATOR Beard Oil Co.</p>		<p>8. FARM OR LEASE NAME Tanner</p>
<p>3. ADDRESS OF OPERATOR 5600 North May Ave Suite 200</p>		<p>9. WELL NO. 1-27</p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660 FSL, 660 FSL of the SE 1/4 At proposed prod. zone Same as above</p>		<p>10. FIELD AND POOL, OR WILDCAT Wildcat</p>
		<p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 27-285-3E</p>
<p>14. API NO. H3-055-30038</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6990 GL</p>	<p>12. COUNTY _____</p>
		<p>13. STATE Utah</p>

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
<p>TEST WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREAT <input type="checkbox"/></p> <p>SHOOT OR ACIDIZE <input type="checkbox"/></p> <p>REPAIR WELL <input type="checkbox"/></p> <p><input checked="" type="checkbox"/> (Other) Shut in Gas Well (CO2)</p>	<p>WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREATMENT <input type="checkbox"/></p> <p>SHOOTING OR ACIDIZING <input type="checkbox"/></p> <p>(Other) _____</p> <p>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</p> <p><input checked="" type="checkbox"/> DATE OF COMPLETION Shut in Gas Well (CO2)</p>
<p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>MULTIPLE COMPLETE <input type="checkbox"/></p> <p>ABANDON <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p>	<p>REPAIRING WELL <input type="checkbox"/></p> <p>ALTERING CASING <input type="checkbox"/></p> <p>ABANDONMENT* <input type="checkbox"/></p>
<p>APPROX. DATE WORK WILL START _____</p>	

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

Brad Hill -

The location was restored on 11/9/90 and I have enclosed some pictures. The location was restored as close to the original location as possible. If you have any questions feel free to call me.

Thankyou - **David J. Alford**
(405) 842-2333

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

SIGNED **David J. Alford** TITLE **Petroleum Engineer** DATE **11/21/90**

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION & SERIAL NO. FEE	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR BEARD OIL COMPANY		8. FARM OR LEASE NAME Tanner	
3. ADDRESS OF OPERATOR 5600 N. May Ave., Suite 200, Oklahoma City, OK 73112		9. WELL NO. 1-27	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) 660' FEL & 660' FSL of SE/4 At surface At proposed prod. zone Same		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 27-28S-3E	
14. API NO. 43-055-30038	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6990' GL	12. COUNTY Wayne	13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Annual Status Report</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION <u>9-2-90</u>	

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

* Must be accompanied by a cement verification report.

Annual Status Report:

This is a shut-in CO₂ Gas Well. There is no market for the CO₂ gas at this time. Additional development in the area may later provide a market for this shut-in CO₂ gas.

RECEIVED

DEC 12 1991

**DIVISION OF
OIL GAS & MINING**

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

SIGNED Ivan D. Allred, Jr. TITLE Vice President DATE 12-10-91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

FEE

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Tanner #1-27

9. API Well Number:

43-055-30048 30028

10. Field and Pool, or Wildcat:

Wildcat

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:

BEARD OIL COMPANY

3. Address and Telephone Number:

5600 N. May Ave., Suite 200, Oklahoma City, OK 73112

4. Location of Well 660' FEL & 660' FSL of SE/4

Footages:

QQ, Sec., T., R., M.: Sec. 27, T. 28 S., R. 3 E.

County: Wayne

State: Utah

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

NOTICE OF INTENT
(Submit In Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other _____
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment *
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other Annual Status Report
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of work completion 9-2-90

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

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

Annual Status Report:

This is a shut-in CO₂ Gas Well. There is no market for the CO₂ gas at this time. Additional development in the area may later provide a market for this shut-in CO₂ gas.

13.

Name & Signature:

R. L. Richards

Title: Assistant Operations Manager

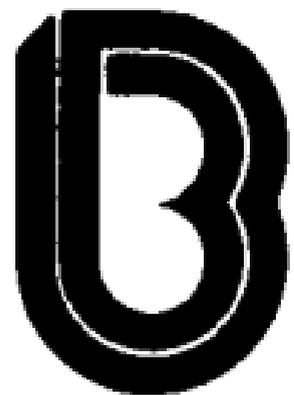
Date: 12-10-92

(This space for State use only)

RECEIVED

DEC 14 1992

DIVISION OF
OIL, GAS & MINING



**BEARD OIL
COMPANY**

DAVID ALLRED

Petroleum Engineer

Enterprise Plaza, Suite 200

5600 North May Avenue

Oklahoma City, Oklahoma 73112

(405) 842-2333

Telecopier (405) 842-9901

Mobile (405) 375-5648

Home (405) 348-1650

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:
FEE

6. If Indian, Allocated or Tribe Name:
N/A

7. Unit Agreement Name:
Tanner

8. Well Name and Number:
#1-27

9. API Well Number:
43-055-30038

10. Field and Pool, or Wildcat:
Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:

The Beard Company

3. Address and Telephone Number:

5600 North May Ave. Oklahoma City, OK. 73112

4. Location of Well

Footages: 660' FEL & 660' FSL of the SE 1/4

Co. Sec., T., R., M.: Section 27-T28S-R3E

County: Wayne

State: Utah

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

NOTICE OF INTENT
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other _____
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start 5-1-1999 or upon app.

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other _____
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion _____

Report results of Multiple Completions and Re-completions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

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

No casing shall be pulled or removed, all plugs shall be set in 7" csg. The following procedure was discussed w/ Mr. Dan Jarvis in early April 1999.

- Plug #1 Squeeze prod. perfs w/ 200 sx class G cmt, leaving tail cmt. from bottom permanent packer @ 3,400' to perfs (3,482' to 3,510') in 7" csg.
- Set Set 7" CIBP above permanent packer @ approx. 3,390'
- Plug #2 25sx (100' plug) on top of CIBP from approx. 3,390' to 3,290'.
- Plug #3 25sx (100' plug) from approx. 2,100' to 2,000'.
- Plug #4 25sx (100' plug) from approx. 700' to 600'
- Plug #5 25sx (100' plug) from approx. 100' to Surface.

Remove all wellhead equipment, cut csg stub 3 to 4' below GL & install permanent dry hole marker w/ well name, legal and plugging date.

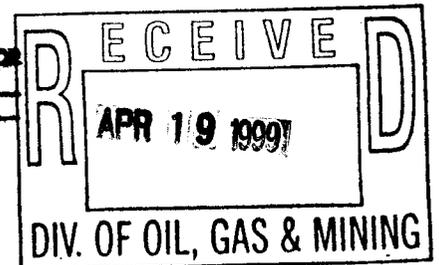
13. Name & Signature: [Signature] Title: Agent Representative Date: 4-15-1999
(303) 534-7953

(This space for State use only)

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

DATE: 4-22-99
BY: [Signature] (See Instructions on Reverse Side)

COPY SENT TO OPERATOR
Date: 4-23-99
Initials: CHD



Schumberger

Dowell

Beard Oil Company
 Tanner 1-27
 P & A Proposal

PRICE QUOTATION

07-Apr-99

Item Code	Description	Quantity	Units	List Price	Discount	Net Price	Net Amount
102872036	Pump Charge 3001-3500'	1	Each	\$ 1,719.00	35	\$ 1,117.35	\$ 1,117.35
48020000	Additional Hours Pump	6	Hours	\$ 300.00	35	\$ 195.00	\$ 1,170.00
59697000	PACR Treatment Recorder	1	Each	\$ 220.00	35	\$ 143.00	\$ 143.00
59200002	Mileage	100	Miles	\$ 3.47	35	\$ 2.26	\$ 225.55
49102000	Transportation Charge	1438	Ton Miles	\$ 1.33	35	\$ 0.86	\$ 1,243.15
49100000	Service Charge	311	Cu. Ft.	\$ 1.85	35	\$ 1.20	\$ 373.98
59810000	Overnight Stays/Employees	3	Each	\$ 220.00	35	\$ 143.00	\$ 429.00
D907	Class "G" Cement	100	Sacks	\$ 12.84	35	\$ 8.35	\$ 834.60
S001	Calcium Chloride	550	Lbs	\$ 0.51	35	\$ 0.33	\$ 182.33

Discounted Percent

35

Total

\$ 5,718.95

Price is based on 12 on location time.

Mileage and Cement Hauling is priced out of Price, Utah

200 Sacks @ 3400'

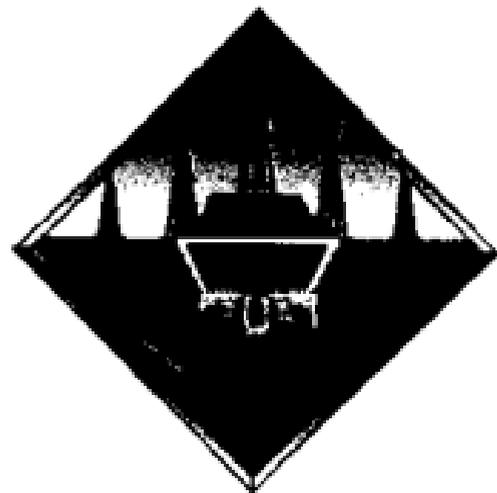
25 Sacks on top of CIBP

25 Sacks for 100' plug @2100'

25 Sacks for 100' plug @700'

25 Sacks for Plug @ Surface

Total Sacks 300 sacks of "G" + 2% CaCl2



PC
EXPLORATION & DEVELOPMENT
CORPORATION

AGENT

IVAN DAVID ALLRED

518 17TH STREET
SUITE 570
DENVER CLUB BUILDING
DENVER, COLORADO 80202

OFF: (303)534-7953
FAX: (303)534-7960
MOB: (303)475-8621
HOME: (303)783-8952



PC
EXPLORATION & DEVELOPMENT
CORPORATION

PH# (303)534-7953

FAX (303)534-7960

Date: April 15, 1999

To: State of Utah, Department of Natural Resources
Division of Oil & Gas Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

From: P C Exploration & Development Corporation
Ivan David Allred, President

43.055.30038

Re: Plug & Abandon procedure for the **Tanner #1-27** SE1/4 Sec.27-T28S-R3E
Wayne County Utah.

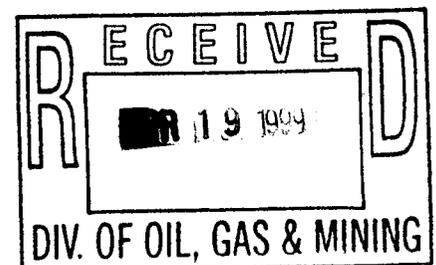
Gentlemen, in response to your recent letter sent to the operator The Beard Company requesting the above referenced well to be either MIT tested casing tubular etc. or a requesting plugging.

I spoke with Mr. Dan Jarvis in early April 1999 on a tentative plugging procedure on the above well where I could obtain an AFE costs etc.. for the operator. The plugging procedure Mr. Dan Jarvis and I discussed is enclosed where he and I both thought would be adequate for this well. I have recently been informed by the operator and others they have elected to plug this well at this time based upon the AFE plugging cost.

Please find and review the enclosed submitted duplicate State of Utah notice of intent plug & abandon sundry notice and Dowell Schlumberger plugging procedure information for your approval. If you require any additional information or need to discuss this further with me please contact me at your earliest convince.

Sincerely,

Ivan David Allred
P C Exploration & Development Corp.
Oil & Gas Consultant
cc: Ivan D. Allred & The Beard Company



Schlumberger

Dowell

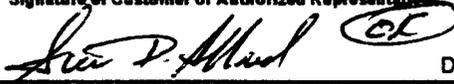
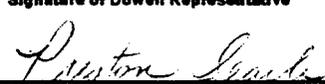
Dowell, A Division of Schlumberger Technology Corp.
1170 East Main
Vernal, UT

Service Order Receipt

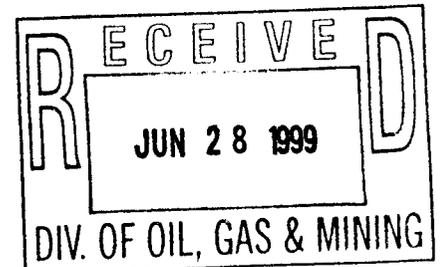
DRAFT

Job Number

20112473

Invoice Mailing Address: PC Exploration & Dev. / Beard Oil 5600 North May Ave. Oklahoma City, Oklahoma USA	ARRIVE LOCATION	Date	6/17/99	Time	11:00:00 AM	
	JOB START	Date	6/18/99	Time	11:00:00 AM	
	JOB COMPLETION	Date	6/18/99	Time	11:20:00 AM	
	LEAVE LOCATION	Date	6/18/99	Time	12:00:00 AM	
	Service Instructions 1st Plug, 25 sks G, From 3380-3290 2nd Plug, 25 sks G, From 2100-2000 3rd Plug, G, 25 sks, From 700-600 4th Plug, 25sks, G, From 100-Surface Yield 1.28, Den 14.5, H2O 5.53 7% S001					
	Service Description Cementing - Plug & Abandon					
Customer PO	Contract	AFE	Rig			
0	0	0	LEED 87			
Well	State/Province	County/Parish/Block	Legal Location			
Tanner 1-27	Utah	Wayne	Sec 27-T28S-R3E			
Field	Customer or Authorized Representative					
Wildcat	Dave Allred					
Material	Description	Quantity	Unit	Unit Price	Disc	Amount
Services						
102872035	Liner/Sqz/Plug 3001-3500' 1st 6hr	1	EA	2,413.00	41.0%	1,423.67
48019000	Cement Bulk Unit hrs On Location	2	HR	80.00	41.0%	94.40
48020000	Cement Pump-add. hr On Locat	2	HR	430.00	41.0%	507.40
49100000	Service Chg Cement Matl Land All DW Fur	304	CF	1.85	41.0%	331.82
49102000	Transportation Cement Ton Mile	1420	MI	1.33	41.0%	1,114.27
59200002	Mileage, All Other Equipment	100	MI	3.47	41.0%	204.73
59610000	Personnel Exp, Away From Home	3	DAY	220.00	41.0%	389.40
59697000	PACR Treatment Analysis Recorder	1	JOB	220.00	41.0%	129.80
Services Subtotal:						4,195.49
Products						
D907	Cement, Class G D907	300	CF	12.84	41.0%	2,272.68
S001	Calcium Chloride 77% S1	550	LB	0.51	41.0%	165.50
Products Subtotal:						2,438.18
Total (Before Discount):		11,243.50				
Discount:		4,609.84				
				Estimated Discounted Total (USD):		6,633.67
The estimated charges above are subject to correction by Dowell.						
Service Receipt: I certify that the materials and services listed were received and all services performed in a workmanlike manner	Signature of Customer or Authorized Representative		Signature of Dowell Representative			
	 Dave Allred		 Preston Searle			

Thank you for Calling Dowell!





PC
EXPLORATION & DEVELOPMENT
CORPORATION

PH# (303)534-7953

FAX (303)534-7960

Date: 6-24-99

To: State of Utah, Department of Natural Resources
Division of Oil & Gas Mining
1594 West north Temple, Suite 1210
Salt Lake City, Utah 84114-5801

From: P C Exploration & Development Corporation
Ivan David Allred, President

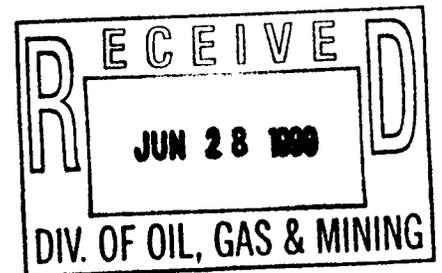
Re: Plug & Abandon Subsequent Sundry Report - Tanner #1-27 well Wayne Co. Utah.

Atten: Mr. Brad Hill or Mr. Dan Jarvis

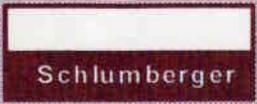
Gentlemen, please find the enclosed subsequent sundry report and Dowell Schlumberger plugging records for your files. The above well was plugged and abandoned on 6-18-99 as required and approved prior with Utah Division of Oil & Gas Mining. Please send all succeeding correspondence approval notices dealing with the plugging of this well to my office and I shall see the owner / operator (The Beard Company) receives this information. I appreciate you cooperation and approval on the plugging of this well. If you require any further information please contact me at my letterhead address or phone.

Sincerely,

Ivan David Allred
P C Exploration & Development Corporation
Oil & Gas Consultants

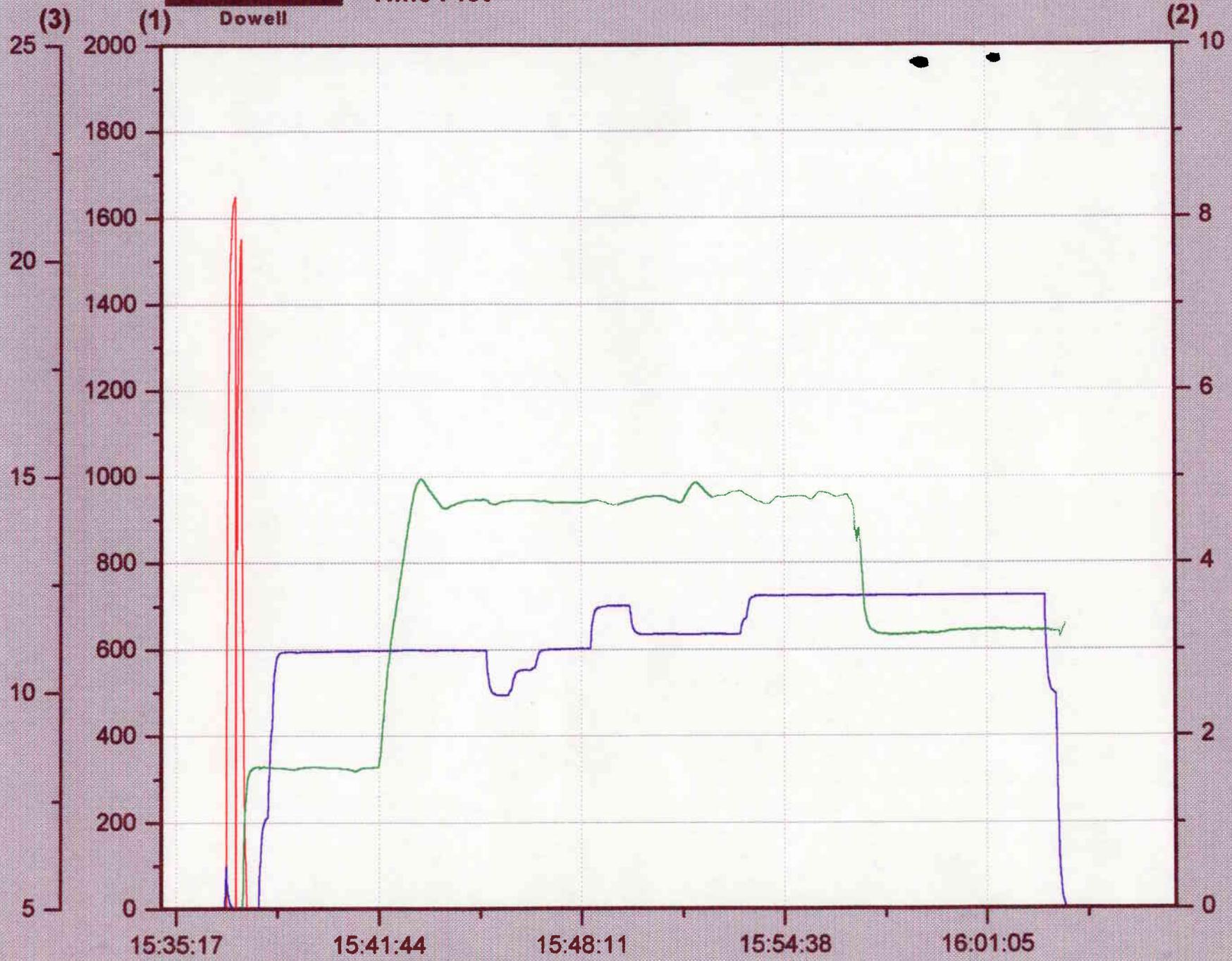


flow

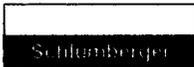


PRISM* Time Plot

Dowell



(1) Pressure U1 (psi) (3) Density (ppg) (2) TotFlowrate (bpm) *Mark of Schlumberger



Dowell

Cementing Service Report

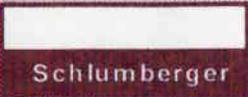
Customer	Job Number
PC Exploration & Dev. / Beard Oil	20112473

Well		Location (legal)		Dowell Location		Job Start	
Tanner 1-27				Vernal, UT		6/17/99	
Field		Formation Name/Type		Deviation		Well TVD	
				0		0 ft	
County		State/Province		BHP		Well MD	
Wayne		Utah		0 psi		3,680 ft	
Rig Name		Drilled For		BHST		BHCT	
LEED 87		Gas		0°F		0°F	
Offshore Zone		Well Class		BHST		BHCT	
		Old		0°F		0°F	
Drilling Field Type		Max. Density		BHST		BHCT	
		0 lb/gal		0°F		0°F	
Service Line		Job Type		BHST		BHCT	
Cementing		Plug & Abandon		0°F		0°F	
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		BHST		BHCT	
2000 psi		0 psi		0°F		0°F	
Service Instructions		Wellhead Connection		BHST		BHCT	
Stage 1 Squeeze 200 sks G, Yield 1.26, H2O 5.53, Den 14.5 Cement To Boyom Of Packer To Perfs From 282-3510 Displaced with 23 bbl				0°F		0°F	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		BHST		BHCT	
LIR Pressure:		Pipe Retained <input type="checkbox"/>		BHST		BHCT	
		Pipe Recirculated <input type="checkbox"/>		0 psi		0 psi	
No. Centralizers:		Top Plugs:		BHST		BHCT	
0		0		0		0	
Cement Head Type:		Bottom Plugs:		BHST		BHCT	
		0		0		0	
Job Scheduled For:		Arrived on Location:		BHST		BHCT	
		6/17/99 11:00		0		0	
		Leave Location:		BHST		BHCT	
				0		0	

Time	Card/rt	Density	Pressure UT	Total Flowrate	Message		
24 hr clock	bbl	PPG	psi	gpm			
15:34	0	0	0	0	0	0	START ACQUISITION
15:34	0	0	-3750	0	0	0	
15:35	0	2.503	-77.46	0	0	0	
15:35	0	2.503	-77.46	0	0	0	Hold Safety Meeting
15:35	0	2.503	-78.13	0	0	0	
15:36	0	2.503	-73.24	0	0	0	
15:36	0	2.503	-73.24	0	0	0	Pressure Test Lines
15:37	0	2.504	1636	0	0	0	
15:37	0	8.238	-66.01	0	0	0	
15:38	0	8.238	-66.01	0	0	0	Start Pumping Spacer
15:38	.3766	8.277	-95.14	1.689	0	0	
15:38	1.949	8.251	-136	2.976	0	0	
15:39	3.65	8.279	-127.3	2.976	0	0	
15:39	5.348	8.275	-132.3	2.979	0	0	
15:40	7.046	8.253	-128.5	2.981	0	0	
15:41	8.747	8.231	-112.7	2.989	0	0	
15:41	10.45	8.283	-114.2	2.99	0	0	
15:41	10.45	8.283	-114.2	2.99	0	0	Start Cement Slurry
15:42	12.16	11.87	-104.6	2.995	0	0	
15:42	13.86	14.54	-83.05	3.004	0	0	
15:43	15.57	14.63	-52.03	3	0	0	
15:43	17.28	14.29	-45.96	2.997	0	0	

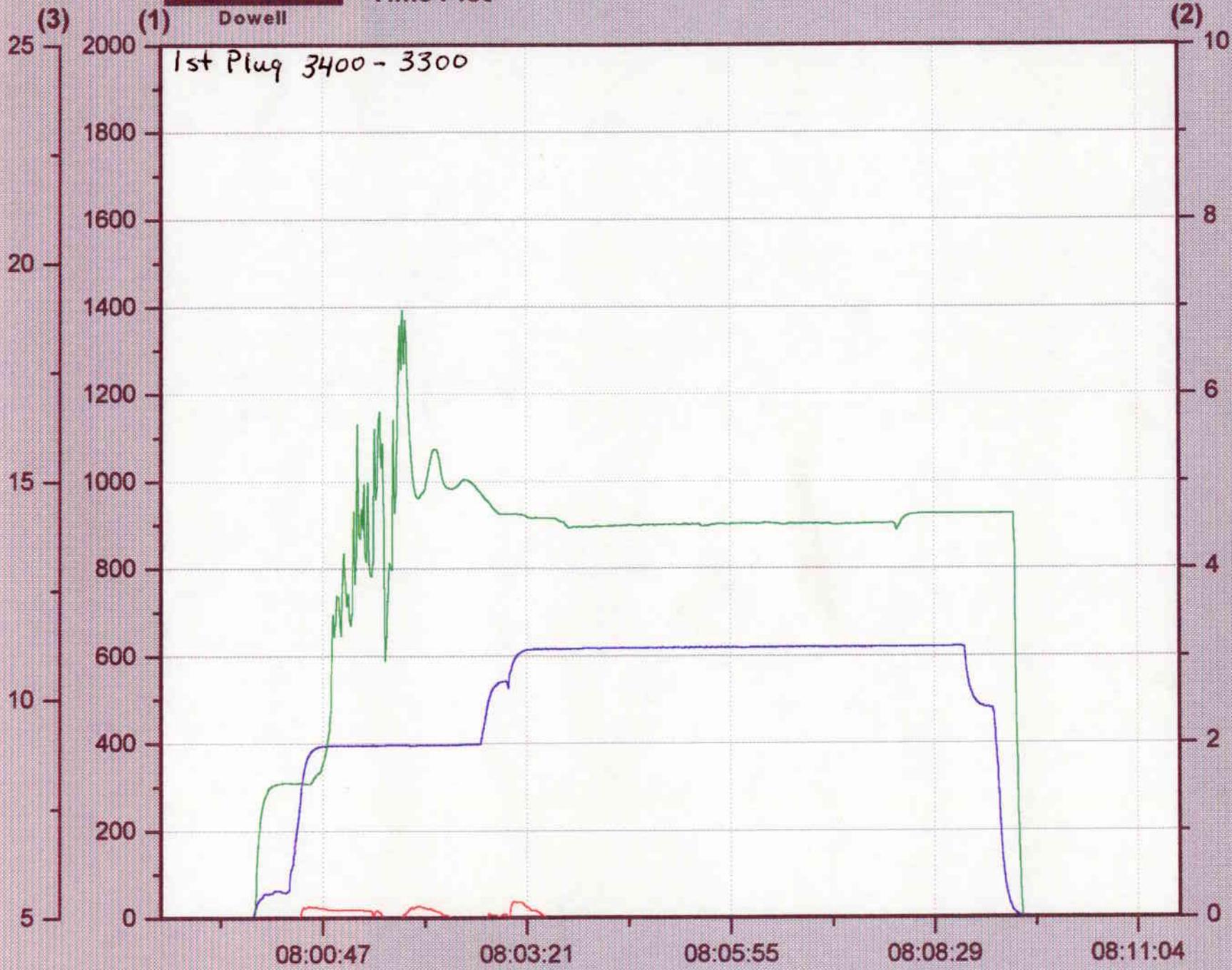
Well		Field			Service Date		Customer		Job Number	
Tanner #1-27							C Exploration & Dev. / Beard		20112473	
Time	Gain/loss	Density	Pressure (PI)	Tool/Flowrate				Message		
24 hr clock	bbl	ppg	psi	gpm						
15:44	17.28	14.29	-45.96	2.997	0	0	0	Check Cement Waite 14.3		
15:44	18.99	14.44	-36.74	2.997	0	0	0			
15:45	20.7	14.46	-32.54	3.001	0	0	0			
15:45	22.16	14.42	-42.85	2.478	0	0	0			
15:46	23.65	14.45	-40.47	2.767	0	0	0			
15:46	25.24	14.43	-31.98	2.95	0	0	0			
15:47	26.95	14.4	-28.1	3.003	0	0	0			
15:47	28.67	14.39	-27.83	3.01	0	0	0			
15:48	30.39	14.44	-29.95	3.279	0	0	0			
15:49	32.37	14.36	-18.32	3.506	0	0	0			
15:49	34.38	14.42	-18.32	3.507	0	0	0			
15:50	36.23	14.53	-25.77	3.182	0	0	0			
15:50	38.04	14.53	-23.06	3.183	0	0	0			
15:51	39.85	14.42	-23.97	3.175	0	0	0			
15:51	41.66	14.8	-20.44	3.183	0	0	0			
15:52	43.48	14.54	-22.75	3.185	0	0	0			
15:53	45.29	14.64	-22.89	3.182	0	0	0			
15:53	47.22	14.47	-18.22	3.611	0	0	0			
15:54	49.28	14.4	-18.32	3.62	0	0	0			
15:54	51.34	14.52	-18.32	3.626	0	0	0			
15:55	53.41	14.5	-18.32	3.622	0	0	0			
15:55	55.47	14.62	-18.3	3.62	0	0	0			
15:56	57.54	14.54	-18.3	3.621	0	0	0			
15:56	57.54	14.54	-18.3	3.621	0	0	0	Start Displacement		
15:57	59.6	13.16	-53.01	3.624	0	0	0			
15:57	61.66	11.37	-109.7	3.624	0	0	0			
15:58	63.74	11.33	-113.2	3.624	0	0	0			
15:58	65.8	11.35	-110.1	3.622	0	0	0			
15:59	67.87	11.36	-109	3.63	0	0	0			
15:59	69.93	11.43	-110.8	3.629	0	0	0			
16:00	72	11.47	-111.9	3.63	0	0	0			
16:01	74.07	11.46	-110.1	3.622	0	0	0			
16:01	76.13	11.48	-109.9	3.628	0	0	0			
16:02	78.2	11.45	-105.1	3.623	0	0	0			
16:02	80.26	11.46	-97.36	3.622	0	0	0			
16:03	81.87	11.44	-117.6	1.002	0	0	0			
16:03	81.87	11.44	-117.6	1.002	0	0	0	Shut Down Job Complete		

Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Med	Maximum Rate	Total Slurry	Med	Spacer	N2		
3	0	0	3	44.8	0	10	0		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Sump Plug to	Breakdowns	Type	Volume	Density		
0	0	0	0	0		0 bbl	0 lb/gal		
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume 0 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft					
0 %	23 bbl	23 bbl	73 °F						
Customer or Authorized Representative				Dowell Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
Dave Allred				Preston Searle					



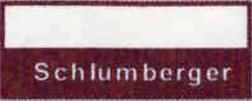
PRISM* Time Plot

Dowell



(1) Pressure U1 (psi) (3) Density (ppg) (2) TotFlowrate (bpm) *Mark of Schlumberger

Well		Field			Service Date		Customer		Job Number	
Tanner #1-27		Wildcat					C Exploration & Dev. / Beard		20112473	
Time	Control	Density	Pressure-UT	Yield/Rate	Message					
24 hr clock	bbl	ppg	psi	bpm						
8:05	12.84	14.01	-77.24	3.094	0	0	0			
8:05	14.13	14.01	-84.17	3.095	0	0	0			
8:06	15.44	14.04	-80.23	3.097	0	0	0			
8:06	16.73	14.02	-74.35	3.104	0	0	0			
8:07	18.03	14.03	-73.5	3.098	0	0	0			
8:07	19.33	14.02	-59.86	3.105	0	0	0			
8:07	20.63	14.03	-59.52	3.106	0	0	0			
8:08	21.93	14.25	-60.12	3.108	0	0	0			
8:08	23.24	14.26	-59.89	3.11	0	0	0			
8:09	24.32	14.26	-72.92	2.339	0	0	0			
8:09	24.32	14.26	-72.92	2.339	0	0	0	Shut Down Let Suck 1 BBL		
8:09	24.52	3.462	-91.55	0	0	0	0			
8:10	24.52	2.505	-91.58	0	0	0	0			
8:10	24.52	2.504	-74.13	0	0	0	0			
Post Job Summary										
Average Pump Rates, bpm					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2			
3	0	0	3	5.6	0	1	0			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
110	0	0	0	0		0 bbl	0 lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume 0 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft						
0 %	23 bbl	18.8 bbl	73 °F							
Customer or Authorized Representative				Dowell Supervisor				<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
Dave Allred				Preston Searle						

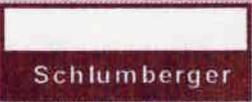


PRISM* Time Plot

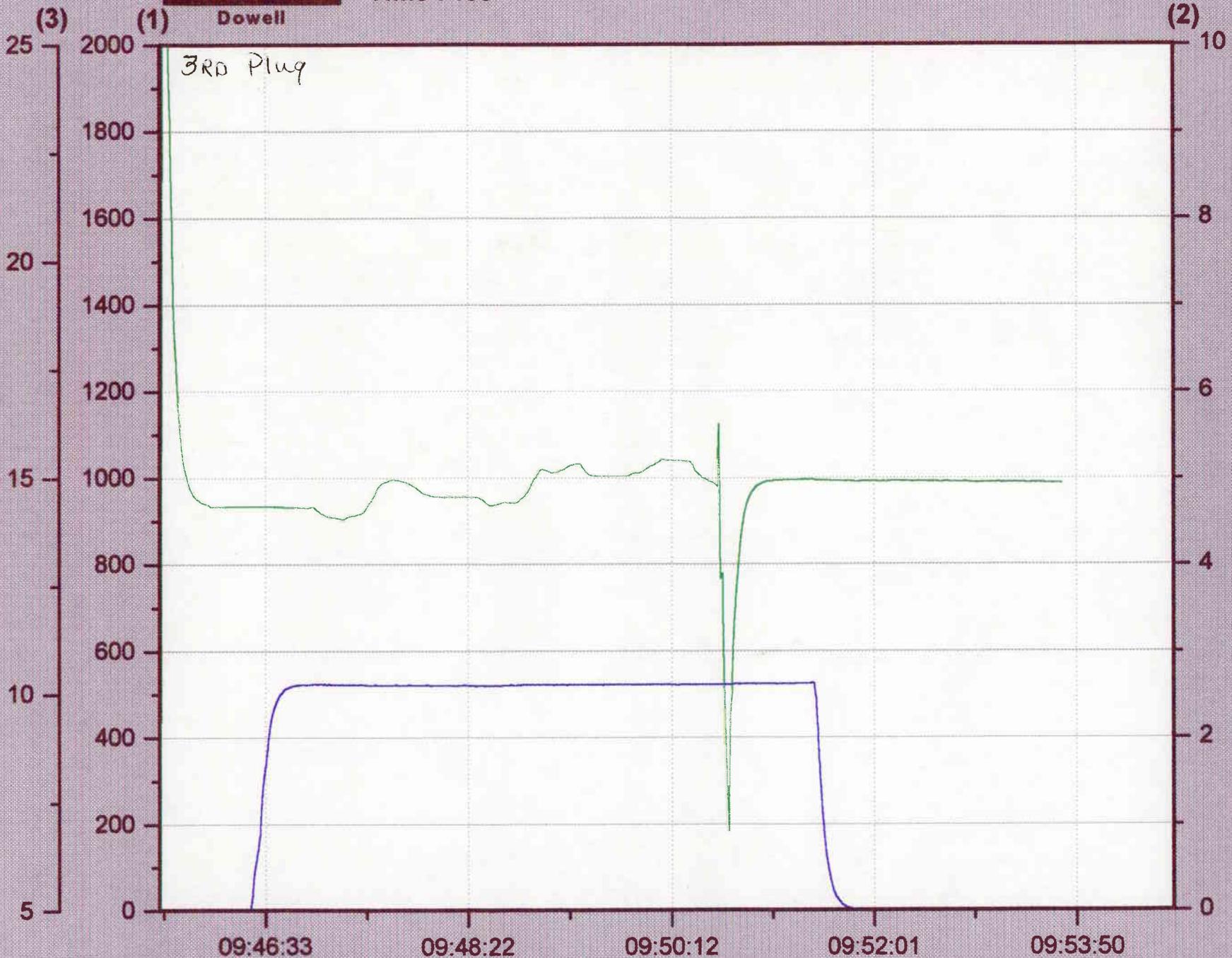


(1) Pressure U1 (psi) (3) Density (ppg) (2) TotFlowrate (bpm) *Mark of Schlumberger

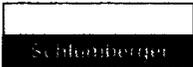
Well		Field			Service Date		Customer		Job Number		
Tanner #1-27		Wildcat					C Exploration & Dev. / Beard		20112473		
Time	Control	Density	Pressure (PI)	Temp (Rate)				Message			
24 hr clock	W	PPG	psi	temp							
8:56	7.092	15.29	-56.83	1.865	0	0	0	Check Cement Waite 14.6			
8:56	7.623	14.98	-55.15	1.866	0	0	0				
8:56	8.154	15.15	-55.34	1.866	0	0	0				
8:57	8.685	14.7	-54.95	1.866	0	0	0				
8:57	9.215	14.65	-54.95	1.865	0	0	0				
8:57	9.915	15.17	-52.5	2.703	0	0	0				
8:58	10.69	14.63	-62.15	2.718	0	0	0	Start displacement			
8:58	11.46	14.65	-65.79	2.724	0	0	0				
8:58	12.24	14.86	-71.02	2.719	0	0	0				
8:58	13.01	14.87	-75.51	2.72	0	0	0				
8:59	13.79	14.87	-86.47	2.721	0	0	0				
8:59	13.79	14.87	-86.47	2.721	0	0	0				
8:59	14.56	14.87	-91.52	2.72	0	0	0				
8:59	15.33	14.87	-91.57	2.719	0	0	0				
9:00	16.11	14.87	-91.58	2.718	0	0	0				
9:00	16.89	14.86	-91.58	2.721	0	0	0				
9:00	17.66	14.86	-91.58	2.719	0	0	0				
9:00	18.44	14.86	-91.58	2.72	0	0	0				
9:01	18.44	14.86	-91.58	2.72	0	0	0	Shut Down Let Suck 1BBL			
9:01	19.14	14.86	-91.58	1.368	0	0	0				
9:33								Waite On Rig To Tag Plug			
Post Job Summary											
Average Pump Rates, bpm					Total Slurry			Volume of Fluid Injected, bbl			
Slurry	N2	Med	Maximum Rate			Med	Spacer	N2			
3	0	0	3		5.6	0	4	0			
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density			
110	0	0	0	0		0 bbl		0 lb/gal			
Avg. N2 Percent		Designed Slurry Volume		Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface?		Volume		0 bbl	
0 %		23 bbl		11 bbl	73 °F	<input type="checkbox"/> Washed Thru Parts To		0 ft			
Customer or Authorized Representative				Dowell Supervisor				<input type="checkbox"/> Circulation Lost			<input checked="" type="checkbox"/> Job Completed
Dave Allred				Preston Searle							



PRISM* Time Plot



(1) Pressure U1 (psi) (3) Density (ppg) (2) TotFlowrate (bpm) *Mark of Schlumberger



Cementing Service Report

Dowell

Customer

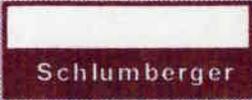
PC Exploration & Dev. / Beard Oil

Job Number

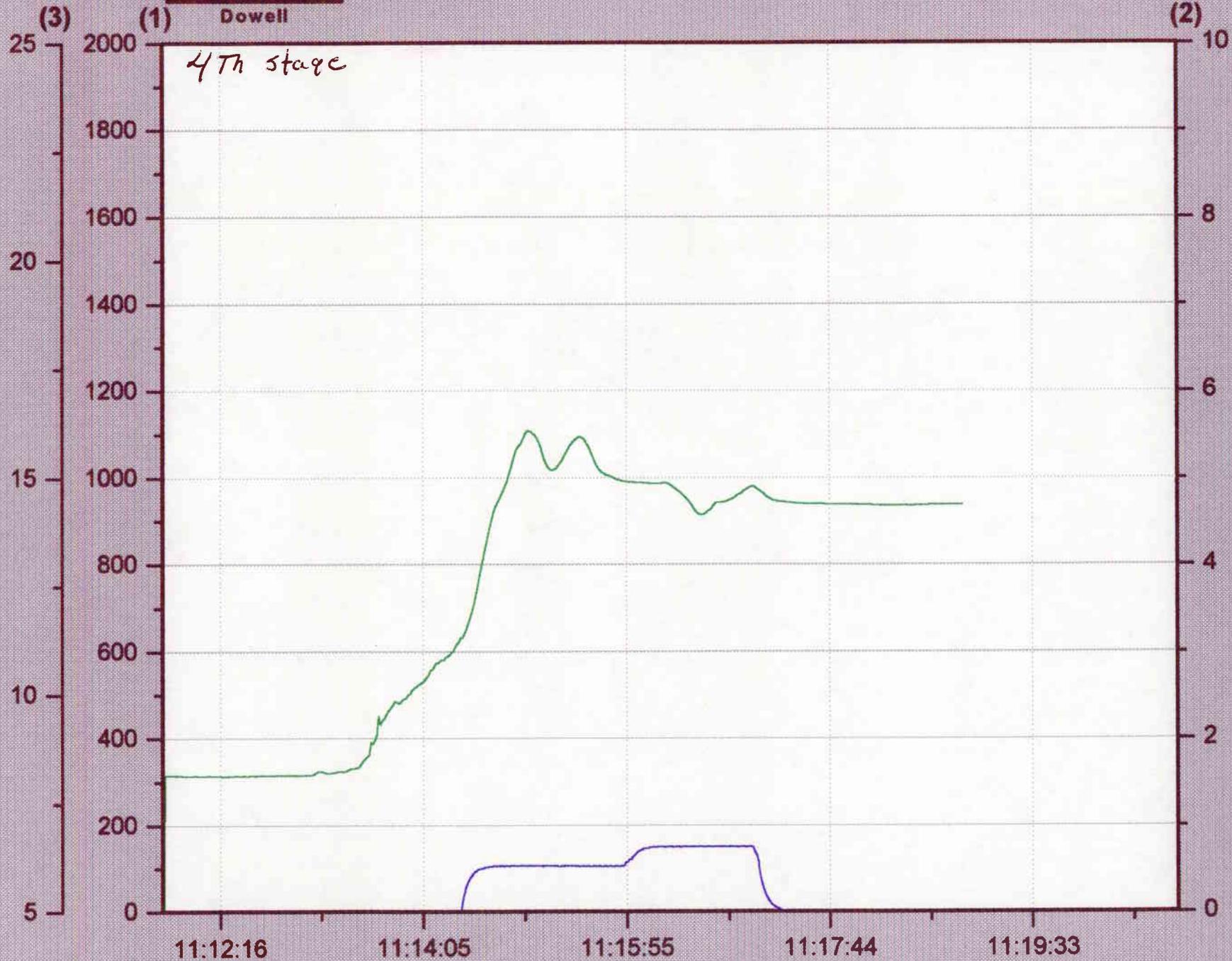
20112473

Well Tanner 1-27		Location (legal) Sec 27-T2BS-R3E		Dowell Location Vernal, UT		Job Start 6/18/99	
Field Wildcat		Formation Name/Type		Deviation 0	Bit Size 0 in	Well MD 3,660 ft	Well TVD 0 ft
County Wayne		State/Province Utah		BHP 0 psi	BHST 0 °F	BHCT 0 °F	Pore Press. Gradient 0 psi/ft
Rig Name LEED 87	Drilled For Gas	Service Via		Casing/Liner			
Offshore Zone		Well Class Old	Well Type Workover	Depth, ft 3800	Size, in 7	Weight, lb/ft 23	Grade K55
Drilling Fluid Type		Max. Density 0 lb/gal	Plastic Viscosity 0 cp	Depth, ft 0	Size, in 0	Weight, lb/ft 0	Grade 0
Service Line Cementing		Job Type Plug & Abandon		Depth, ft 0	Size, in 0	Weight, lb/ft 0	Grade 0
Max. Allowed Tubing Pressure 2000 psi		Max. Allowed Ann. Pressure 0 psi		Wellhead Connection			
Service Instructions 1st Plug, 25 sks G, From 3390-3290 2nd Plug, 25 sks G, From 2100-2000 3rd Plug, G, 25 sks, From 700-600 4th Plug, 25sks, G, From 100-Surface Yield 1.26, Den 14.5, H2O 5.53				Perforations/Open Hole			
				Top, ft 0	Bottom, ft 0	spf 0	No. of Shots 0
						Total Interval 0 ft	
						Diameter 0 in	
				Treat Down Tubing	Displacement 0 bbl	Packer Type	Packer Depth 0 ft
				Tubing Vol. 0 bbl	Casing Vol. 0 bbl	Annular Vol. 0 bbl	Open Hole Vol. 0 bbl
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools			
LUR Pressure: 0 psi		Pipe Rotated <input type="checkbox"/>		Pipe Recirculated <input type="checkbox"/>		Squeeze Job	
				Shoe Depth: 3660 ft		Squeeze Type	
No. Centralizers: 0		Top Plugs: 0		Bottom Plugs: 0		Tool Type:	
Cement Head Type:		Stage Tool Type		Stage Tool Depth: 0 ft		Tool Depth: 0 ft	
Job Scheduled For:		Arrived on Location: 6/17/99 11:00		Leave Location: 6/18/99 12:00		Tail Pipe Size: 0 in	
				Collar Type:		Tail Pipe Depth: 0 ft	
				Collar Depth: ft		Seq Total Vol: 0 bbl	
Time	Central	Density	Pressure UI	Temp/Rate	Message		
24 hr clock	MM	PPG	psi	rpm			
9:45	0	0	0	0	0	0	START ACQUISITION
9:45	0	25	-73.26	0	0	0	
9:45	0	14.75	-73.26	0	0	0	
9:45	0	14.75	-73.26	0	0	0	Start 3rd Plug
9:46	0	14.33	-74.06	0	0	0	
9:46	0	14.33	-74.06	0	0	0	Start Pumping Spacer
9:46	0	14.35	-74.43	0	0	0	
9:46	.3004	14.34	-82.84	2.362	0	0	
9:46	.945	14.32	-101.1	2.616	0	0	
9:47	1.603	14.1	-107.2	2.612	0	0	
9:47	2.259	14.16	-105.3	2.609	0	0	
9:47	2.914	14.9	-102.6	2.606	0	0	
9:47	3.569	14.8	-93.61	2.607	0	0	
9:48	4.224	14.56	-91.61	2.605	0	0	
9:48	4.878	14.55	-82.25	2.6	0	0	
9:48	4.878	14.55	-82.25	2.6	0	0	Start Cement Slurry
9:48	5.537	14.4	-58.63	2.602	0	0	
9:48	5.537	14.4	-58.63	2.602	0	0	Check Cement Waite 14.5
9:48	6.192	14.64	-63.14	2.609	0	0	
9:49	6.847	15.12	-55.64	2.608	0	0	
9:49	7.503	15.24	-44.54	2.61	0	0	
9:49	8.159	15.04	-41.08	2.614	0	0	

Well		Field			Service Date		Customer		Job Number
Tanner #1-27		Wildcat					C Exploration & Dev. / Beard		20112473
Time	Control	Density	Pressure (PI)	Temp/Flowrate				Message	
24 hr clock	bbbl	PPG	psi	bpm					
9:49	8.815	15.11	-38	2.617	0	0	0		
9:50	9.471	15.4	-37.81	2.611	0	0	0		
9:50	10.13	15.18	-36.65	2.615	0	0	0		
9:50	10.13	15.18	-36.65	2.615	0	0	0	Start Displacement	
9:50	10.78	12.79	-38.46	2.611	0	0	0		
9:50	11.44	14.62	-70.54	2.623	0	0	0		
9:51	12.1	14.95	-94.09	2.622	0	0	0		
9:51	12.76	14.95	-108.8	2.624	0	0	0		
9:51	12.76	14.95	-108.8	2.624	0	0	0	Shut Down Let Suck 1bbl	
9:51	13.12	14.93	-112.8	2.026	0	0	0		
9:51	13.13	14.92	-98.51	0	0	0	0		
9:52	13.13	14.92	-92.13	0	0	0	0		
9:52	13.13	14.92	-98.53	0	0	0	0		
9:52	13.13	14.92	-91.7	0	0	0	0		
9:52	13.13	14.9	-91.58	0	0	0	0		
9:53	13.13	14.89	-91.49	0	0	0	0	Waite On Rig To Tag Plug	
9:53	13.13	14.89	-88.79	0	0	0	0		
9:53	13.13	14.89	-79.55	0	0	0	0		
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Med	Maximum Rate		Total Slurry	Med	Spacer	N2	
3	0	0	3		5.6	0	4.8	0	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Ramp Plug to	Breakdown	Type	Volume		Density	
0	0	0	0	0		0 bbl		0 lb/gal	
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume 0 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft				
0 %	23 bbl		3 bbl	73 °F					
Customer or Authorized Representative			Dowell Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed			
Dave Allred			Preston Searle						



PRISM* Time Plot



(1) Pressure U1 (psi) (3) Density (ppg) (2) TotFlowrate (bpm) *Mark of Schlumberger

Cementing Service Report

S. Blumberger
Dowell

Customer: **PC Exploration & Dev. / Beard Oil** Job Number: **20112473**

Well Tanner 1-27		Location (legal) Sec 27-T28S-R3E		Dowell Location Vernal, UT		Job Start 6/18/99			
Field Wildcat		Formation Name/Type		Deviation 0	Bit Size 0 in	Well MD 3,660 ft	Well TVD 0 ft		
County Wayne		State/Province Utah		BHP 0 psi	BHST 0 °F	BHCT 0 °F	Pore Press. Gradient 0 psi/ft		
Rig Name LEED 87	Drilled For Gas	Service Via		Casing/Liner					
Offshore Zone		Well Class Old	Well Type Workover	Depth, ft 3800	Size, in 7	Weight, lb/ft 23	Grade K55		
Drilling Fluid Type		Max. Density 0 lb/gal	Plastic Viscosity 0 cp	Depth, ft 0	Size, in 0	Weight, lb/ft 0	Grade 0		
Service Line Cementing		Job Type Plug & Abandon		Tubing/Drill Pipe					
Max. Allowed Tubing Pressure 2000 psi		Max. Allowed Ann. Pressure 0 psi		Perforations/Open Hole					
Wellhead Connection		Top, ft 0	Bottom, ft 0	spf 0	No. of Shots 0	Total Interval 0 ft			
Service Instructions 1st Plug, 25 sks G, From 3390-3290 2nd Plug, 25 sks G, From 2100-2000 3rd Plug, G, 25 sks, From 700-600 4th Plug, 25sks, G, From 100-Surface Yield 1.26, Den 14.5, H2O 5.53 2% S001				Diameter 0 in		Packer Type 0 ft			
				Treat Down Tubing		Displacement 0 bbl		Packer Depth 0 ft	
				Tubing Vol. 0 bbl		Casing Vol. 0 bbl		Annular Vol. 0 bbl	
				Open Hole Vol 0 bbl		Open Hole Vol 0 bbl			
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job			
Lift Pressure: psi		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Squeeze Type:			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth: 3660 ft		Tool Type:			
No. Centralizers: 0		Top Plugs: 0		Bottom Plugs: 0		Stage Tool Type			
Cement Head Type:		Stage Tool Depth: 0 ft		Tool Depth 0 ft		Tool Size 0 in			
Job Scheduled For:		Arrived on Location: 6/17/99 11:00		Leave Location: 6/18/99 12:00		Collar Type:			
						Collar Depth: ft			
						Seq Total Vol: 0 bbl			
Time	Cum Vol	Density	Pressure UI	Tool Flowrate	Message				
24 hr clock	bbl	ppg	psi	bpm					
11:11	0	0	0	0	0	0	START ACQUISITION		
11:11	0	0	-3750	0	0	0			
11:12	0	0	-3750	0	0	0	Start Stage 3		
11:12	0	8.147	-69.37	0	0	0			
11:12	0	8.151	-72.46	0	0	0			
11:12	0	8.157	-65.51	0	0	0			
11:13	0	8.227	-66.2	0	0	0			
11:13	0	9.514	-67.81	0	0	0			
11:14	0	10.29	-91.33	0	0	0			
11:14	0	10.29	-91.33	0	0	0	Start Cement Slurry		
11:14	0	11.42	-74.52	.2342	0	0			
11:14	.1963	14.95	-61.78	.5347	0	0	Check Cement Wait 14.5		
11:15	.4035	15.19	-56.82	.5351	0	0			
11:15	.6063	15.45	-54.96	.5346	0	0			
11:16	.8238	14.89	-55.03	.6906	0	0			
11:16	1.11	14.67	-54.95	.7463	0	0			
11:16	1.401	14.44	-53.02	.7555	0	0			
11:17	1.655	14.59	-65.39	.1954	0	0			
11:17	1.666	14.4	-67.58	0	0	0	SHUT DOWN JOB COMPLETE		
11:17	1.666	14.39	-67.33	0	0	0			
11:18	1.666	14.36	-67.75	0	0	0			
11:18	1.666	14.37	-67.29	0	0	0			

Well Tanner #1-27		Field Wildcat			Service Date	Customer C Exploration & Dev. / Beard	Job Number 20112473
Time 24 hr clock	Convent bbbl	Density PPG	Pressure U1 psi	Test Interval hrs		Message	
Post Job Summary							
Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
0.5	0	0	0.5	5.6	0	0	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
0	0	0	0	0		0 bbl	0 lb/gal
Avg. N2 Percent	Designed Slurry Volum	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface Volume 0 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft			
0 %	23 bbl	0 bbl	73 °F				
Customer or Authorized Representative Dave Allred			Dowell Supervisor Preston Searle			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed	

FORM E

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use the APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER: _____		5. Lease Designation and Serial Number: _____
2. Name of Operator: The Beard Company		6. If Other, Abbreviate or Title Name: N/A
3. Address and Telephone Number: 5600 North May Ave. Oklahoma City, OK. 73112		7. Well Agreement Name: Tanner
4. Location of Well Footages: 660' FEL & 660' FSL of the SE 1/4 Co. Sec., T., R., M.: Section 27-T28S-R3E		8. Well Name and Number: #1-27
		9. API Well Number: 43-055-30038
		10. Field and Pool, or Wildcat: Wildcat
		County: Wayne State: Utah

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon	<input checked="" type="checkbox"/> Abandon
<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Repair Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Convert to Injection
<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Fracture Treat or Acidize
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Other _____
<input type="checkbox"/> Other _____	
<input type="checkbox"/> New Construction	<input type="checkbox"/> New Construction
<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Recomplete	<input type="checkbox"/> Reperforate
<input type="checkbox"/> Reperforate	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Water Shut-Off	

Approximate date work will start _____

Date of work completion 6-18-99 Well P&A

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

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

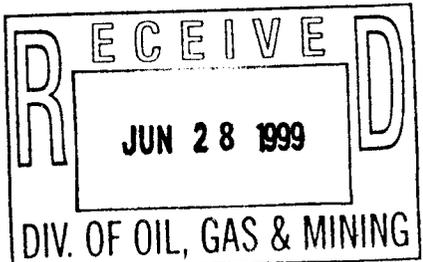
See Enclosed P&A Report and Cementing Reports Summary

6-16-99 Contact State of Utah Oil & Gas Commission on date of plugging operations to comence on 6-17-99 & 6-18-99. Wait on Rig.

6-17-99 MIRU Leed Energy, N D tree, NU BOP. RU PLS, perf tbg. tail ass. below permant packer @ 3,412'. RU Dowell Sqz. perfs from 3,482'-3,510' (Sinbad) w/ 200 sx class G. TOH w/ tbg. PU 7" CIBP RIH & set @ 3,392' above packer. Spot plug #1-25sx Cls "G" cmt @ 3,390'-3,290'. #2 plug 25 sx Cls "G" cmt @ 2,100'-2,000'. #3 plug 25 sx Cls "G" cmt @ 700'-600'. #4 plug 25 sx Cls "G" cmt @ 100' to surface. Circ. good cmt to surface, erect 4x12' dryhole marker 4' above GL, put Well name, Operator & plugging date on dryhole marker. Well P&A 6-18-99 per approved Utah Plugging orders.

13. Name & Signature: Kevin D. Alford Title: Agent Representative Date: 6-22-99
(303) 534-7953

(This space for State use only)



OIL AND GAS PRODUCTION FACILITIES

Well Name: <u>Tanner 1-27</u>	API Number: <u>43-055-30038</u>		
Qtr/Qtr: <u>SESE</u>	Section: <u>27</u>	Township: <u>28 S</u>	Range: <u>3 E</u>
Company Name: <u>Beard Oil Company</u>			
Lease: State _____	Fee <u>X</u>	Federal _____	Indian _____
Inspector: <u>GLH</u>	Date: <u>11/26/99</u>		

Type of Inspection: Routine

Complaint

OtherWell status at time of visit: Producing _____ Shut-in _____ Other P&A

COMMENTS: Well appears to be plugged, open ended drill pipe standing with no inscription of well name, location etc. Deadman anchors still in place and location sloped inward toward well. No trash or other waste materials visible. Pictures (4) attached.

Dan Jarvis talked to Dave Allred on 1/19/00. He said he would have contractor Russell Edwards put markings on well marker, pull deadmen, and recontour location within the next week.

Work completed as of 2/10/00 reported by phone to Gil Hunt, verified with photo 2/28/00.

