

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-06357

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> <i>Re-Entry</i> <input checked="" type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. SF NM-078004		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Marathon Oil Company 14021			7. UNIT AGREEMENT NAME		
3. ADDRESS AND TELEPHONE NO. P.O. Box 552 Midland, Texas 79702			8. FARM OR LEASE NAME 6.388 EVENSEN		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface UL "J" 1650' FSL & 1650' FEL At proposed prod. zone SAME			9. WELL NO. 1		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8 Miles South Bloomfield New Mexico			10. FIELD AND POOL, OR WILDCAT Fulcher Kutz/ P/c Cif		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 990'		16. NO. OF ACRES IN LEASE 320	17. NO OF ACRES ASSIGNED TO THIS WELL 160		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1100'		19. PROPOSED DEPTH 1700'	20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show Whether DF, RT, GR, ETC) GL: 5932.5 KB: 5937.5			22. APPROX. DATE WORK WILL START Upon Approval		
23. PROPOSED CASING AND CEMENTING PROGRAM This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.					
DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"					
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
NO CHANGE	SEE ORIGINAL	COMPLETION	REPORT		

Marathon Oil Company is proposing to reenter this Plugged and Abandoned well. A copy of the proposed work is attached. API#: 30-45-06357

RECEIVED
SEP - 2 1994
OIL CON. DIV.
DIST. 3

070 FARMINGTON, NM
29 JUN 10 AM 11:03
RECEIVED
BLM

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

24. SIGNED Thomas J. [Signature] TITLE Advanced Engineering Tech DATE 6-7-94
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

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

NMOC

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer CD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

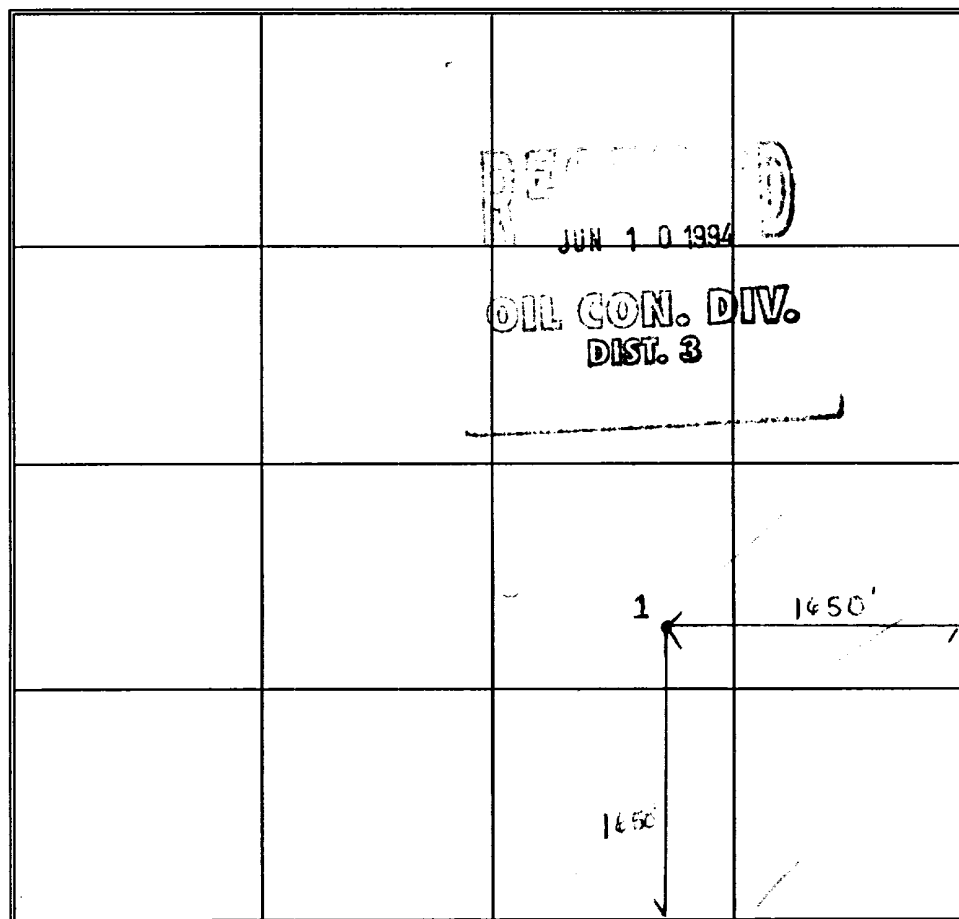
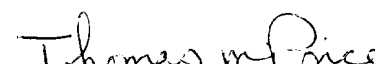
¹ API Number 30-045-06357		² Pool Code 77200	³ Pool Name Fulcher Kutz/Pictured Cliffs
⁴ Property Code 6338 6388	⁵ Property Name Evensen		⁶ Well Number 1
⁷ OGRID No. 014021	⁸ Operator Name Marathon Oil Company		⁹ Elevation GL: 5932.5

¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	19	27-N	10-W		1650	SOUTH	1650	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	19	27-N	10-W		1650	SOUTH	1650	EAST	SAN JUAN

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  _____ Signature Thomas M. Price _____ Printed Name Advanced Eng. Tech. _____ Title 6-7-94 _____ Date	
				¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. _____ Date of Survey _____ Signature and Seal of Professional Surveyor: _____ Certificate Number	

RE-ENTRY PROCEDURE

EVENSEN WELL NO. 1
1,650' FSL AND 1,650' FEL
Section 19, T-27-N, R-10-W
Kutz Canyon (Fulcher Kutz) Field
San Juan County, New Mexico

Date: May 24, 1994

AFE NO.: 655794

Purpose: Re-enter plugged and abandoned well and fracture stimulate Pictured Cliffs.

Elevation: 5,937.5' KB; 5,932.5' GL

TD: 1,763' PBTD: 1,708'

Surface Casing: 9-5/8", 40.0# set at 105' KB. Cement w/60 sx. Circulate 2 sx to surface.

Production Casing: 5-1/2", 14.0#, J-55 set at 1,637' KB. Cement w/155 sx.

Plugging Procedure: Spot 25 sx cement plug from PBTD to 1,500'. Perforate 5-1/2" casing at 838' GL. Squeeze perforations down 5-1/2" with 120 sx. Pump 180 sx down 5-1/2" X 9-5/8" annulus. Install dry hole maker in top of casing. No attempt was made to pull 5-1/2" casing.

Old Completion: Pictured Cliffs: 1,637'-1,908' KB (Openhole)

Drilling Mud Weight: 9.4 ppg

Estimated BHP: 300 psi

Estimated Surface Shut-In Pressure: 250 psi

Expected Reservoir Fluids: Gas with minor water.

Safety Considerations: • Hold safety meeting explaining the procedure.

Other Considerations: • Try not to put water on formation.
• Obtain BLM approval for re-entry (call T. M. Price).

1. Build and improve old surface location.
2. Install and test safety anchors to 22,500#.
3. Dig out well around dryhole marker.
4. Hot tap 9-5/8" surface casing.
5. Weld on casing extension and wellhead on 9-5/8" casing.
6. MIRU pulling unit.
7. Spear 5-1/2" casing and set manual casing slips.
8. NU 7-1/16" X 3,000 psi hydraulic BOP with 2-7/8" pipe rams on top and blind rams on bottom. Test BOP to 1,000 psi.
9. RIH with 4-3/4" bit, bit sub, (6) 3-1/2" drill collars, X-Over on 2-7/8", 6.5#, N-80 workstring and drill out top plug to 838' GL. Test casing to 1,000 psi with rig pump. Continue in hole and drill out bottom plug from 1,500' to 1,625'. Test casing again to 1,000 psi before drilling out past 5-1/2" shoe at 1,637' KB. Continue drilling out openhole to 1,700' KB.
10. POOH with 2-7/8" tubing and drilling assembly.
11. Pick up and RIH with 1 joint 2-7/8", 6.5# tubing, Baker Model C Fullbore packer, 2-7/8" API SN, on 2-7/8", 6.5#, N-80 workstring, hydrotesting to 8,500 psi.

12. Set packer @ $\pm 1,625'$ KB with bottom of tailpipe @ $\pm 1,660'$ KB.
13. RU stimulation company.
14. Breakdown openhole 1,637'-1,700' KB with 2% KCl water.
15. Prepare to frac well. Quality control frac fluids and proppant.
16. Frac Pictured Cliffs 1,637'-1,700' KB (openhole) down 2-7/8" workstring at 30 BPM as follows with 57,000 gal of 70 quality Nitrogen Foam with 154,000# of proppant as follows:
 - 30# Linear Gel (Guar)
 - 20/40 Brady (Vulcan Texsan) Proppant
 - Pressure backside to 500 psi during treatment
 - Maximum anticipated surface treating pressure = 6,500 psi

STAGE	FOAM VOLUME	SAND	CUM SAND
Pad	20,000 Gal	--	--
2 ppg	2,000 Gal	4,000#	4,000#
3 ppg	10,000 Gal	30,000#	34,000#
4 ppg	10,000 Gal	40,000#	74,000#
5 ppg	10,000 Gal	50,000#	124,000#
6 ppg	5,000 Gal	30,000#	154,000#
Flush	395 Gal	--	--

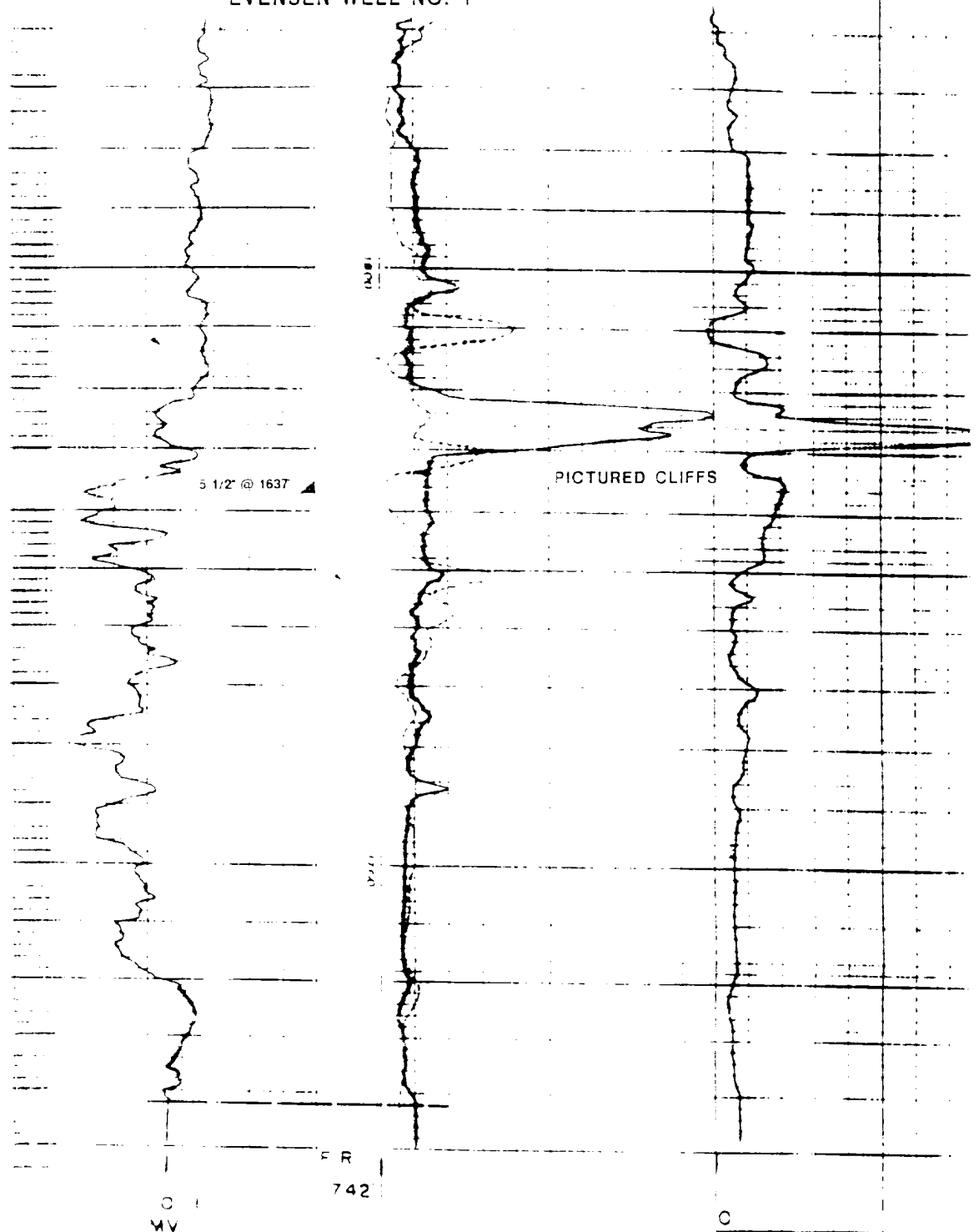
Shut well in for 30 minutes to rig up flowback manifold as per attached diagram and RD stimulation company. Open well up on 12/64" positive choke and flow back well to tank. Divert well to pit when gas is to surface.

17. Continue flowing well to frac tank overnight.
18. If well dies, release packer and POOH with 2-7/8" workstring and packer, laying down. Change out pipe rams to 2-3/8".
19. RIH with notched collar and 2-3/8" API seating nipple on 2-3/8", 4.7#, J-55 production tubing. Tag fill. If more than 10' of fill in openhole, install string float and RU nitrogen unit. Clean out to PBTD of 1,700' KB with nitrogen.
20. PUH, remove string float, and land tubing at $\pm 1,650'$ KB.
21. ND BOP. NU tree.
22. RU swab and lubricator. Swab well to frac tank to establish production.
23. Turn well through test unit and monitor gas and water rates and pressures. RD pulling unit.
24. After commercial gas rates have been established, lay 3" line to Marathon's Evensen Well No. 3 EPNG CPD and compressor station.
25. Kick well off to sales and continue to monitor gas and water rates and pressures.

R. W. Tracy
Operations Supervisor
Midland Operations

T. B. Arnold
Drilling Superintendent
Midland Operations

511001
MARATHON OIL COMPANY
EVENSEN WELL NO. 1



FRONTIER REG CO.
EVENSEN NO 1
SEC 19-T1N-10W
SAN JUAN CNTY., N.M.
ELEV. 5933' G.L.

0 100
0 1000

FIGURE 2

KUTZ CANYON - FULCHER KUTZ PC FIELD
 EVENSEN WELL #1
 1650' FSL & 1650' FEL
 SECTION 19, T-27-N, R-10-W
 SAN JUAN COUNTY, NEW MEXICO

TD: 1763' PBTD: 1708'
 GL: 5932.5' KB: 5937.5'

SURFACE 3" ts, 9 5/8", 40#, set @ 105' KB. Cmt'd
 w/ 60 sx. Circ. 2 sx to surface.

PRODUCTION 40" ts, 5 1/2", 14# J-55, set @ 1637'
 KB. Cmt'd w/ 60 sx.

PRIOR COMPLETION: Pictured Chuffs 1637-1708' (OH)

Squeeze notes # 825 GL

Cement plug @ 1500

PBTD @ 1708'

TD @ 1763

5-1/2" @ 1637

HISTORY: See attached well history

Prepared by: J.L. Ellis
 Date: 3/21/94

WELL HISTORY

EVENSON WELL NO. 1 (PC)

Spud well on 4/30/51 as Pictured Cliffs gas producers. Drill well to 1,763' KB and ran 5-1/2" casing to 1,637'. IP (natural) - 15 MCFPD. Shot interval 1,647'-1,719' KB with 180 qtz nitro. Clean well out to 1,729' KB, but caved back to 1,708' KB. RIH with 1,692' of 1", 1.7# production tubing. IPF - 139 MCFPD. SIP - 480 psi. Well connected to El Paso Natural Gas Co. EPNG disconnected well as unproductive on 9/30/68. Cumulative Production - 16,248 MCF. Plug well in December, 1974. Spot 25 sx cement plug from PBTD to 1,500'. Perforated 5-1/2" casing @ 838' GL. Squeezed perforations at 838' with 120 sx down casing. Pump 180 sx cement down 5-1/2" X 9-5/8" annulus. Install dry hole marker in top of casing. (Note: No attempt was made to pull the 5-1/2" casing.)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN "
(Other Instru-
verse side)CATE-
B re-Form approved.
Budget Bureau No. 42-R.

LEASE DESIGNATION AND SERIAL.

078004

IF INDIAN, ALLOTTEE OR TRIBE N

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. WELL TYPE OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Husky Oil Company of Delaware	8. FARM OR LEASE NAME Evensen
3. ADDRESS OF OPERATOR P. O. Box 360, Cody, Wyoming 82414	9. WELL NO. 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1650 FNL & 1650 FEL, Sec. 19, T27N, R10W	10. FIELD AND POOL, OR WILDCAT Fulcher Kutz
11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 19, T27N, R10W	12. COUNTY OR PARISH San Juan
13. STATE New M	

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"/>	WELL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACURE TREAT <input type="checkbox"/>	COMPLETE <input type="checkbox"/>	FRACURE 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 checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	Other: <input type="checkbox"/>	
NOTE: Report results of multiple completion on Well completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Fully state all pertinent details, and give pertinent dates, including estimated date of starting 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.) *

Plugged and abandoned as follows:

- 1) Cement plug, T.D. to 1500' w/25 sax.
- 2) Perforated 5-1/2" casing at 838' GL.
- 3) Squeezed perforations at 838', down casing w/120 sax.
- 4) Mix and pump 180 sax down back side of 5-1/2" casing.
- 5) Dry hole marker in top of casing.
- 6) No attempt was made to pull 5-1/2" casing.

APPROVED

1975

P. T. McGRATH

DISTRICT ENGINEER

DEC 28 1974

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

SIGNED

TITLE

District Production
Superintendent

DATE

December 18,

This space for Federal or State office use:

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See instructions on Reverse Side

THE FOLLOWING WILL BE LIBRARY

