

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

M. M. BL...
P. O. BOX 1610
MIDLAND, TEXAS 79702
SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

30-025-31963
Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. LC--032650-B
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---
2. NAME OF OPERATOR ARCO Oil and Gas Company	7. UNIT AGREEMENT NAME South Justis Unit
3. ADDRESS OF OPERATOR P.O. Box 1610, Midland, Texas 79702 Phone. 915-688-5672	8. FARM OR LEASE NAME South Justis Unit 'G'
4. LOCATION OF WELL (Report clearly and in accordance with any State requirements.) At surface 120' FSL & 2550' FEL (Unit Letter O) At proposed Prod. zone Approximately the same	9. WELL NO. 220
13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 4.0 miles east of Jal, New Mexico	10. FIELD AND POOL, OR WILDCAT Justis Blinebry Tubb Drinkard
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. line, if any) 90'	11. SEC., T., M., OR BLK. AND SURVEY OR AREA 24-T25S-R37E
16. NO. OF ACRES IN LEASE 5360	12. COUNTY Lea
17. NO. OF ACRES ASSIGNED TO THIS WELL 40	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, FT. DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT. 780'	19. PROPOSED DEPTH 6,200'
20. ROTARY OR CABLE TOOLS Rotary	21. APPROX. DATE WORK WILL START Spud 6/93
22. ELEVATIONS (Show whether GR or KB) 3065' GR	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT ft ³
20"	13-3/8"	48.0#	40'	50 cu ft
12-1/4"	8-5/8"	24.0#	1000'	825 cu ft CIRCULATE
7-7/8"	4-1/2"	10.5#	6200'	3,200 cu ft (tie back)

Unorthodox location approved by Order No. R-9747, dated 10-23-92
Subject well is planned as a 6200' MD (6200' TVD) straight well. 3M psi BOPE will be used from 1000' to TD. Attachments are as follows:
1. Certified Location Plat
2. Drilling Plan with Attachments 1-3
3. Surface Use Plan with Attachments 3-9

Previously submitted by AOGC to BLM:
1. Archaeological Survey of The South Justis Waterflood Project
2. Preliminary Project Report South Justis Unit
3. Unit Agreement South Justis Unit

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 preventor program, if any.

24. SIGNED Ken A. Gosnell TITLE Regulatory Coordinator DATE 2-22-93
(This space for Federal or State Use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Ken A. Gosnell TITLE Regulatory Coordinator DATE 4/22/93

CONDITIONS OF APPROVAL, IF ANY:

GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

*See Instructions On Reverse Side

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

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator		Lease		Well No.	
ARCO OIL AND GAS COMPANY		South Justis Unit "G"		220	
Section	Range	Township	Range	County	
0	24	25 S	37 E	SAB	
Section		Township		County	
120		South		East	
feet from the		line and		feet from the	
2550					
Ground Level Elev.		Producing Formation		Dedicated Acreage	
3065'		Blbry-Tubb-Dkrd		40 Acres	
		Pool			
		Justis			

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

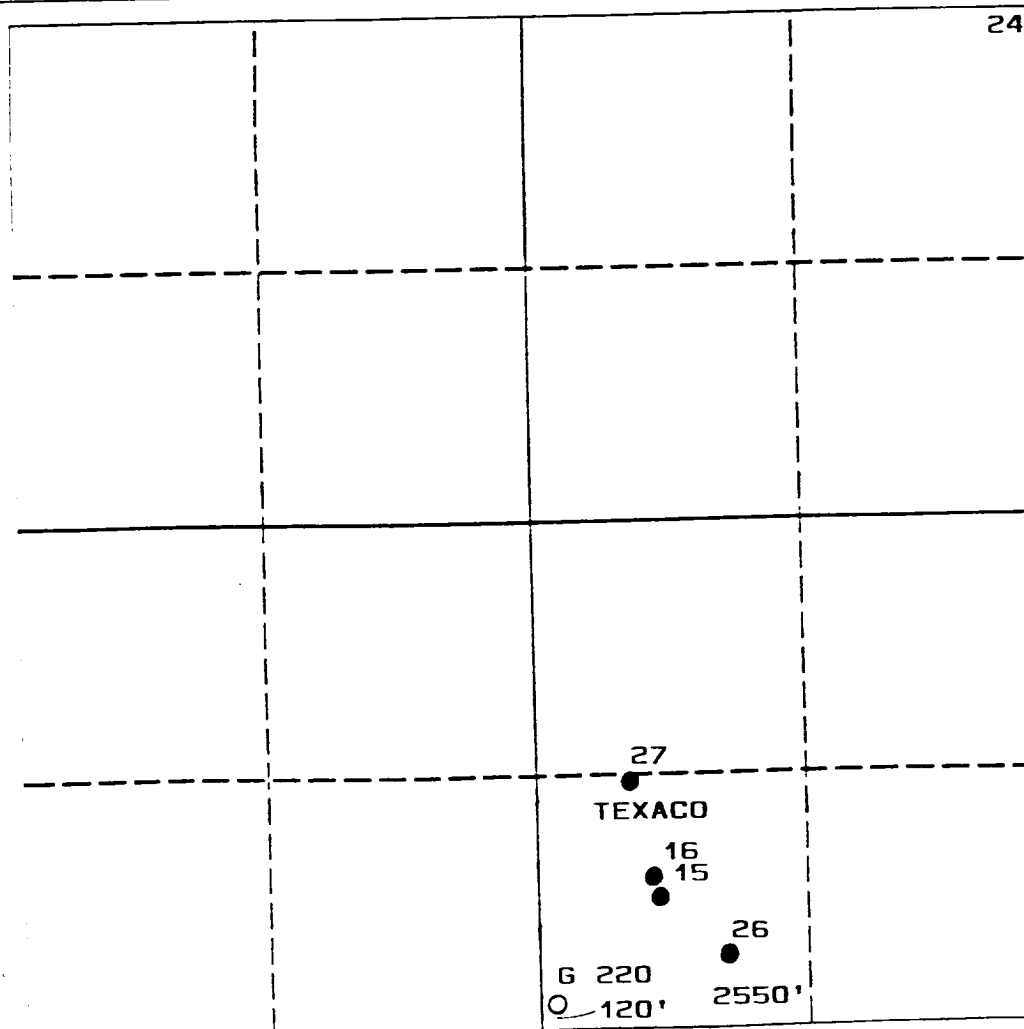
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☐ Yes ☐ No If answer is "yes" type of consolidation

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Ken W. Gosnell

Printed Name

Ken W. Gosnell

Position

Regulatory Coordinator

Company

ARCO Oil & Gas Co.

Date

2-22-93

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 knowledge and belief.

Date Surveyed

Nov. 16, 1992

Signature & Seal of
Professional Surveyor

Certificate No.

648

DRILLING PLAN

Attach to BLM Form 3160-3
ARCO Oil and Gas Company
Well: South Justis Unit G-220
Section 24-T25S-R37E
120' FSL & 2550' FEL
Lea County, New Mexico

1. Surface Geological Formation

Ogallala Formation of late Tertiary age.

2. Estimated Tops of Geological Markers

<u>Formation</u>	<u>TVD</u>
Salt	1000'
Yates	2275'
Queen	2975'
Grayburg	3100'
San Andres	3550'
Glorietta	4625'
Blinbry	5000'
Tubb	5675'
Drinkard	5875'

3. Estimated Tops of Possible Water, Oil, Gas or Minerals:

Sands above 1000'	Water *
Yates	Gas**
Blinbry	Oil or Gas**
Tubb	Oil or Gas**
Drinkard	Oil or Gas**

* Groundwater will be protected by 8-5/8" surface casing cemented to surface.

** Productive horizons will be protected by 4-1/2" production casing cemented to surface.

4. Pressure Control Equipment

<u>Interval, TVD</u>	<u>Pressure Control Equipment</u>
0' - 1000'	No pressure control required
1000' - 6200'	11", 3M psi double ram preventer with 3M psi annular preventer.

Exhibits 1, 2, and 3 show the BOP stack arrangement, the choke manifold arrangements and the BOP specifications, respectively. The BOPE will be hydraulically tested per BLM requirements outlined by Onshore Oil and Gas Order No. 2. Pipe rams and blind rams will be functioned on each trip out of the hole. The annular preventer will be functioned once a week. All BOPE checks and tests will be witnessed by ARCO's representative and will be noted on the IADC daily drilling report. Accessories to BOPE will include an upper kelly cock, lower kelly cock, and floor safety valve all with pressure rating equivalent to the BOP stack.

**EXHIBIT 1
BOP ARRANGEMENT
ARCO OIL & GAS CO.
SOUTH JUSTIS UNIT WELLS**

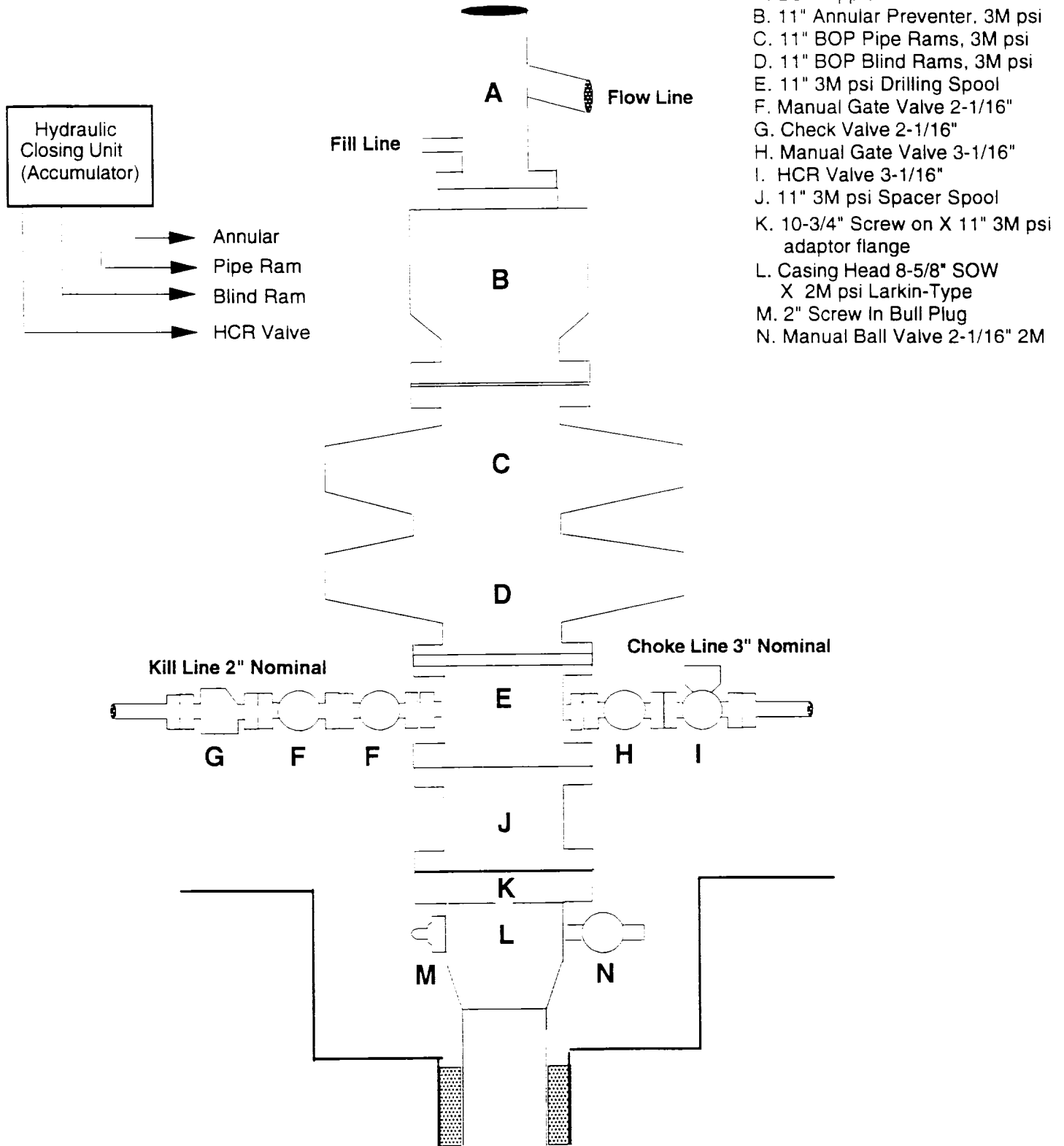
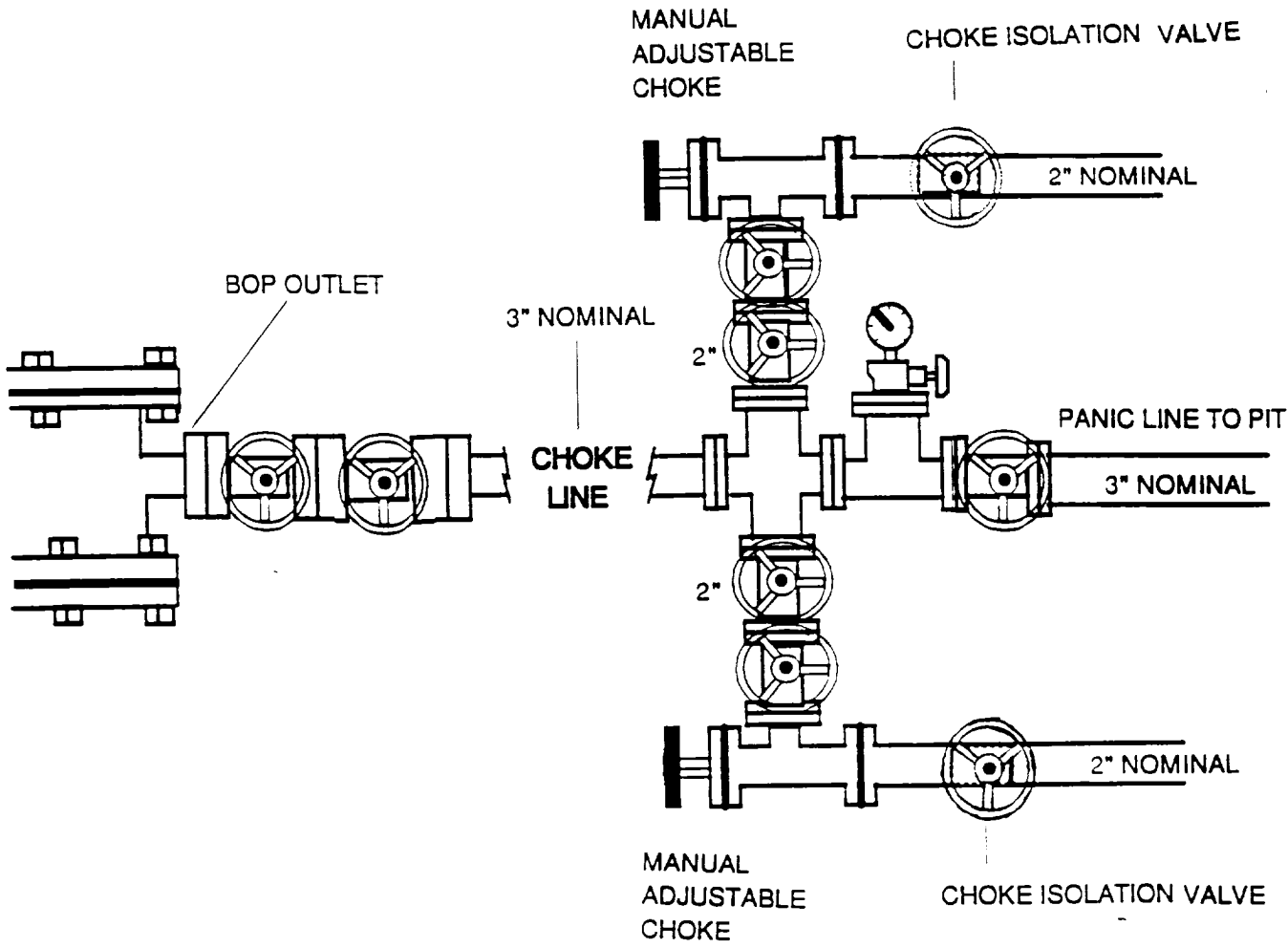


EXHIBIT 2
3M psi Choke Manifold
ARCO Oil and Gas Company
South Justis Unit Wells



30-025-11738

W Petroleum Information
COMPANIES
 a Division of A.C. Nielsen Company

© Copyrighted Reproduction Prohibited

CONTRACT NO. **16** FIELD **Justis** STATE **NM**
 OPERATOR **GETTY OIL CO.** API **MN 117**
 NO. **16** LEASE **Coates, A. B. "C"** SERIAL **OWWO**
Sec 24, T-25-S, R-37-E MAP
760' FSL, 2030' FEL of Sec CO-ORD
3 mi E/Jal ELEV **683**

SPD **Re- 12-18-74** WELL CLASS: **INT. DX** FIN **DC**
 CS6
 13 3/8" at 535' w/550 sx
 9 5/8" at 3312' w/1300 sx
 7" at 7649' w/950 sx
 TD **7650' (MCKE)** PBD **7140'**

IP (Blinebry) Perfs 5060-5540' F 52 BOPD + 38 BW. Pot based on
 24 hr test thru 16/64" chk. GOR 14,712; Grav 37.4; TP 360#
 (Tubb-Drinkard) Perfs 5763-5932' NO CHANGE

CONTR OPR'S ELEV **3079' DF** PD **5540' WO**

F.R.C. 3-22-75

(Blinebry)

(Orig. Tidewater Oil Co., comp 10-27-58 dual
 thru (Drinkard) Perfs 5900-32' & (McKee) Perfs
 7480-7605', OTD 7650', OPB 7644'; OWWO & Re-Cmp
 5-19-72 by Getty Oil Co. thru (Tubb-Drinkard)
 Perfs 5763-5932', OPB 7140')

3-17-75

TD 7650'; PBD 7140'; COMPLETE

Perf @ 5060', 5063', 5065', 5086', 5112', 5120',
 5161', 5163', 5182', 5185', 5194', 5197', 5235',
 5238', 5241', 5260', 5280', 5288', 5298', 5300',
 5302', 5313', 5334', 5348', 5358', 5373', 5382',
 5410', 5412', 5415', 5417', 5452', 5478', 5482',
 5503', 5540' w/1 SPI

Acid (5060-5540') 3500 gals

Frac (5060-5540') 104,000 gals + 104,000# sd

3-22-75

COMPLETION REPORTED

OWWO

COUNTY LEA FIELD Justis STATE NM MN 11738

OPR GETTY OIL CO. MAP

16 Coates, A. B. "C"

Sec 24, T-25-S, R-37-E CO-ORD

760' FSL, 2030' FEL of Sec

CLASS OWDF EL 3079E

Re-Cmp 5-19-72	FORMATION	DATUM	FORMATION	DATUM
CSG & SX - TUBING				
13 3/8" at 535' w/550 sx				
9 5/8" at 3312' w/1300 sx				
7" at 7649' w/950 sx				
LOGS EL GR RA IND HC A				
	TD 7650'; PBD 7140'			

(Tubb-Drinkard) Perfs 5763-5932' NO NEW POTENTIAL

Distribution limited and publication prohibited by subscribers' agreement.
Reproduction rights reserved by Williams & Lee Scouting Service, Inc.

CONT. DATE PROP DEPTH 5932' TYPE WO

F.R.C. 6-24-72; Opr's Elev. 3079' DF
PD 5932' WO (Drinkard)
(Orig. Tidewater Oil Co. #16 Coates, A. B. "C"
comp 10-27-58 thru (McKee) Perfs 7480-7605' &
(Drinkard) Perfs 5900-5932', OTD 7650', OPB 7644')
6-19-72 TD 7650'; PBD 7140'; COMPLETE
PB to 7140'
Perf @ 5763', 5777', 5792', 5799', 5801', 5803',
5820', 5822', 5828', 5838', 5853', 5855', 5857',
5866', 5875', 5880', 5882' w/1 SPI
Acid (5763-5882') 5250 gals
6-24-72 COMPLETION REPORTED