

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐

2. NAME OF OPERATOR
DEPCO, Inc.

3. ADDRESS OF OPERATOR
1000 Petroleum Building - Denver, CO 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1190' FSL, 1450' FWL (SE/4 SW/4)
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
SF078896

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
--

7. UNIT AGREEMENT NAME
--

8. FARM OR LEASE NAME
Federal 33

9. WELL NO.
24

10. FIELD OR WILDCAT NAME
West Kutz P.C.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 33-T27N-R11W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

14. API NO.
36-045-24978

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6183' GR 6195' KB

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐ ☐

FRACTURE TREAT ☐ ☐

SHOOT OR ACIDIZE ☐ ☐

REPAIR WELL ☐ ☐

PULL OR ALTER CASING ☐ ☐

MULTIPLE COMPLETE ☐ ☐

CHANGE ZONES ☐ ☐

ABANDON* ☐ ☐

(other) Proposed Surface Use Plan - Install Flowline

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Refer to NTL-6 for subject well approved as amended 3-31-81. Multipoint Surface Use and Operations Plan Item 4 (B) modified as follows:

It is proposed to install a flowline from the Federal 33 No. 24 to join a common flowline tying Federal 32 No. 44 (SE/4 SE/4, Sec. 32) to a proposed connection with the existing EPNG lateral line located in SE/4 SW/4, Sec. 33-T27N-R11W. Production from each well will be individually metered before entering the common flowline.

- O V E R -

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED [Signature] TITLE Prod. Supt. - So. DATE July 7, 1982
Rockies

(This space for Federal or State office use)

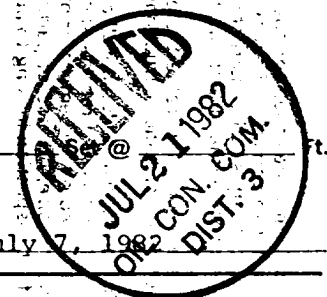
APPROVED BY **APPROVED** TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

JUL 16 1982
JAMES F. SIMS
DISTRICT ENGINEER

NMOCC

*See Instructions on Reverse Side



Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

GPO : 1976 O - 214-149

Coated, Wrapped, and Welded Flowline Specifications

	Flowline 2"	Common Flowline 2"
Size	A-25	A-25
Grade	0.154"	0.154"
Wall Thickness	4536 psi	4536 psi
Yield Pressure	720 psi	720 psi
Test Pressure	1127 psi	1127 psi
Max Allow. Pressure	250 psi	250 psi
Operating Pressure	30'	30'
ROW Width	57.50'	3637.31'
ROW Length	4' Min	4' Min
Installation Depth		

A map detailing this proposal is herewith attached. DEPCO, Inc. has previously obtained blanket archeological clearance in the affected area. Surface Management is under ~~BIA~~/BIA supervision. The starting date of this project will be contingent upon the approval date of this proposal. Surface restoration will be in compliance with ~~BIA~~ recommendation. BIA

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WELL ABANDONMENT REPORT

Ties to NW Cor. Sec. 32, T 27 N, R 11 W, N.M.P.M.

Line G - 0+00 S 61°44'40" W 2087.86'
EOL N 77°24'55" W 4309.08'

Ties to SE Cor. Sec. 32, T 27 N, R 11 W, N.M.P.M.

Line H - 0+00 S 14°19'55" E 4355.21'
EOL S 08°53'37" W 4391.60'

Line J - 0+00 S 09°58'07" W 4559.37'
EOL S 29°11'20" W 5205.27'

Ties to SW Cor. Sec. 33, T 27 N, R 11 W, N.M.P.M.

Line K - 0+00 S 37°37'40" W 5612.54'
EOL S 29°11'20" W 5205.27'

Line L - 0+00 S 46°28'10" E 1450.86'
EOL S 48°48'15" W 1927.55'

Line M - 0+00 S 50°05'58" W 1889.54'
EOL S 67°55'55" W 2741.69'

Line N - 0+00 S 75°47'26" W 4455.50'
EOL S 67°55'55" W 2741.69'

Ties to SW Cor. Sec. 29, T27N, R11W, N.M.P.M.

Line O - 0+00 S 10°40'28" E 4232.41'
EOL S 18°12'30" W 3436.07'

Line P - 0+00 S 27°15'00" W 3931.17'
EOL S 45°42'45" W 2485.84'

Line Q - 0+00 S 47°37'53" W 2431.61'
EOL S 63°27'20" W 4069.69'

Line R - 0+00 S 63°27'20" W 4069.69'
EOL S 47°09'45" W 6306.28'

CENTERLINE SURVEY

OF

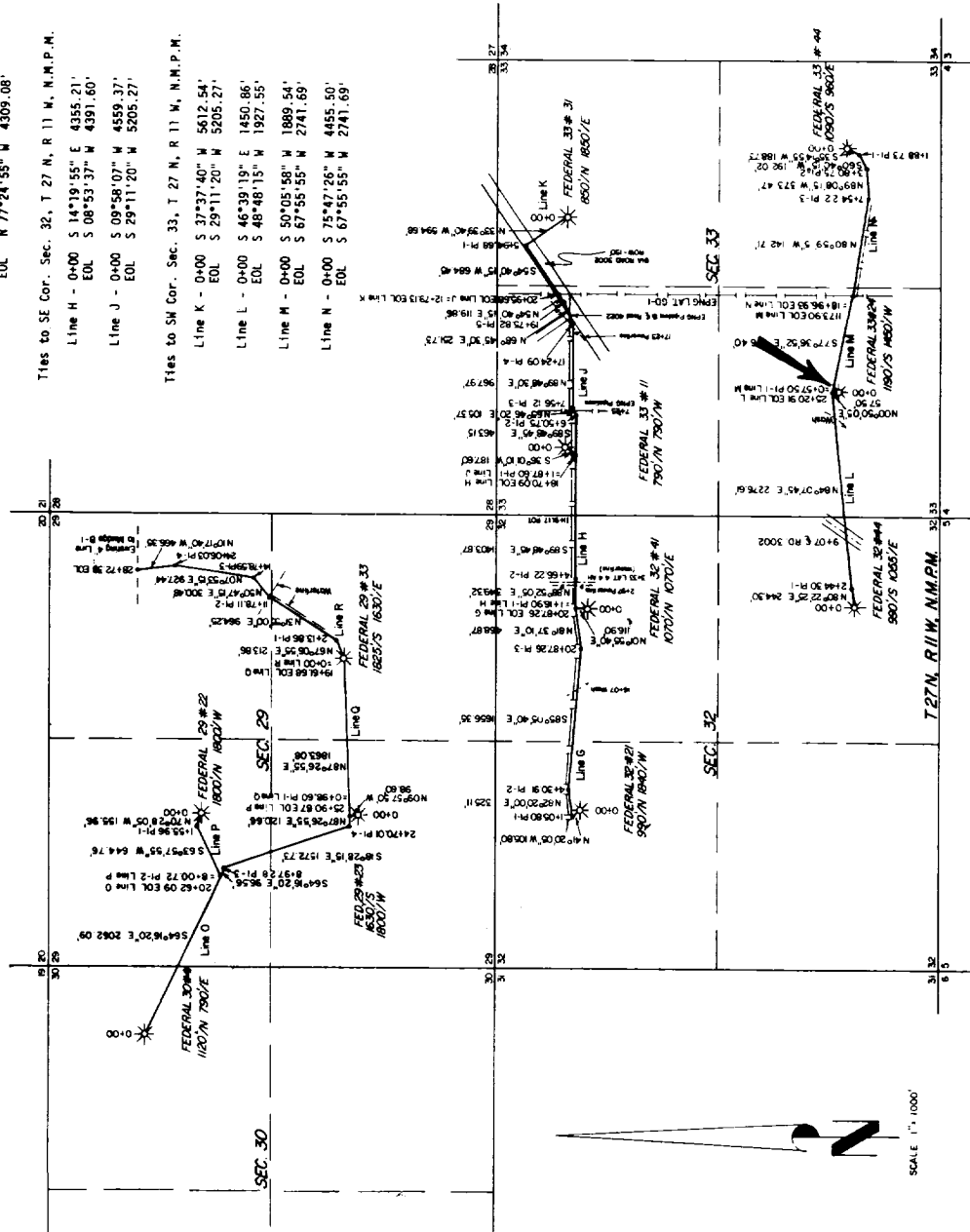
PROPOSED GATHERING LINES

TO

DEPCO, INC. WELLS

FOR

GAS COMPANY OF NEW MEXICO



SCALE 1" = 1000'



Geo. D. Vann
Registered L.S. # 7016
State of New Mexico

VANN SURVEYS
Farmington, NM

NOTE: Field work performed in February 1981

June 18, 1982

UNITED STATES
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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

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

DEPCO, Inc.

3. ADDRESS OF OPERATOR

1000 Petroleum Building -- Denver, CO 80202

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

At surface

1190' FSL, 1450' FWL, SE $\frac{1}{4}$ -SW $\frac{1}{4}$, Sec. 33

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

12 miles SSW of Bloomfield, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1190'

16. NO. OF ACRES IN LEASE

1920

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

2300'

19. PROPOSED DEPTH

1885'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

6183' GR

6195' KB (Est)

22. APPROX. DATE WORK WILL START*

5-1-81 +

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	
12-1/4"	8-5/8"	24#, K55	120'	100 sx (Circ)
7-7/8"	4-1/2"	10.5#, J55	1385'	445 sx (Circ)

This action is subject to administrative
appeal pursuant to 30 CFR 230.

1. Drill 12 $\frac{1}{4}$ " surface hole and set surface casing as above.
2. Drill 7-7/8" hole to 1885'.
3. Run DIL, CNL-FDC w/GR-Caliper Logs.
4. Set 4 $\frac{1}{2}$ " casing string if warranted, or P&A in compliance with regulations.
5. The location will be reshaped to original topography. Stockpiled topsoil will be respread and the area reseeded.

Exhibits attached to this APD

"A" - Well Location Plat; "B" - Ten Point Compliance Program; "C" - Blowout Preventer Diagram; "D" - Multipoint Surface Use Requirements; "E" - Road Access Map to area; "F" - Topographic Map of area, Road Access, and wells within one mile radius; "G" - Drilling Location Plan, Contours, Cuts and Fills; "H" - Drilling Rig and Production Facilities Plan; "I" - Treatment Program Plan; "J" - Archeology Report.

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

24. SIGNED [Signature] TITLE Supt. So. Rockies DATE JUL 2 1981

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

APPROVED
AS AMENDED[Signature]
JAMES F. SINS
DISTRICT ENGINEER

*See Instructions On Reverse Side

FARMINGTON COPY

1-D
1-F

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8/19/81	
Company DEPCO, INC.		Connection not connected	
Pool West Kutz		Formation Pictured Cliffs	
Completion Date 8/12/81	Total Depth 1900' KB	Plug Back To 1838' KB	Elevation 6183' GL
Farm or Lease Name Federal		Well No. 33 #24	
Csg. Size 4.5"	Wt. 10.5#	d	Set At 1900' KB
Perforations: From 1688' To 1715'		Well No. 33 #24	
Tbg. Size 1.315"	Wt. 1.7#	d	Set At 1704' KB
Perforations: From To		Unit N	Sec. Twp. Rge. 33 27N 11W
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single		Packer Set At -	County San Juan
Producing Thru Tbg.	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _a State New Mexico
L	H	Gg	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							421#		421#		7 day SI
1.	2	X	3/4"				12#	54	390#		3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1	12.3650		24	1.0058	1.0000	1.0000	298
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons <td>Deq.</td>	Deq.
2.					Specific Gravity Separator Gas <td>XXXXXX</td>	XXXXXX
3.					Specific Gravity Flowing Fluid <td>XXXXXX</td>	XXXXXX
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R

P _c 433	P _c ² 187,489			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	-	402	161,604	25,885
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 7.2432$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,604$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5.3819$

Absolute Open Flow	1,604	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks:

Approved By Commission:	Conducted By: Crum	Calculated By: Crum	Checked By:
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