Form 3160-3		-			CONTACT R OFFICE FOR 1				Sr
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23.		PROPOSE	ED CASIN	G AND CEM	ENTING PROGRA	M			
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(This space for Fe	ederal or State office	use)							
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APPROVED BY	tan an a		тіті	e	(PAR)	· ·	DATE	1-30-92	
CONDITIONS OF	APPROVAL, IF ANY: JBJECT TO JUIREMENTS AN				N. M.M. J. M.K. APPA				

TITLE TACHEDSEGTION 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.

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

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 boundarias of th

Operator					Lease						
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State of New Mexico Liergy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

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ANTICIPATED WATER, OIL, GAS AND MINERAL BEARING FORMATIONS

Lease: "DD" -25- Federal Well No: 3 Location: 130' FNL, 660' FEL, Sec. 25, T-19-S, R-24-E County: Eddy State: New Mexico Elevation: GR-3580' Proposed TD: 8000'

Formation Tops

<u>Depth</u>	<u>Formation</u>	<u>0il</u>	<u>Gas</u>	<u>Water</u>	Lithology
0-522' 522' 1977' 2212' 4097' 4289' 5347' 7532'	Queen,Seven Rv. San Andres Glorieta Yeso Abo Abo Reef Wolfcamp Canyon	x x			Sand,Dolo. Dolomite Dolomite Dolomite Dolomite Dolomite Limestone Limest.,Dolo.

Geologic Description

The surface geology of this area consists of a thin veil of Quaternary age alluvium with outcrops of Permian Queen-Seven Rivers. Vegetation consists mainly of scrub oak, mesquite and range grasses.

There is no salt section in this area.

No drill stem tests will be conducted. No cores will be taken.

No abnormal pressures or temperatures are anticipated to be encountered in this well. H2S is present in the Canyon Pay. GR-CAL-CNL-LDT, GR-CAL-DLL-MSFL, CBIL and GR-BHC-SONIC surveys will be run.

Mud Program

Depth	Туре	<u>Weight</u>	<u>Viscosity</u>
0 -1300'	Fresh Water	8.4	28
1300'-8000'	Cut Brine	8.4-9.0	29
@ TD if hole	Gel/Drispac	9.0	34
conditions dic	tate		

Blowout preventer will be installed after surface casing is set. BOP will be tested each time it is installed on a casing string and operated at least once each 24-hour period during drilling.



SURFACE USE AND OPERATIONS PLAN FOR

TEXACO PRODUCING, INC.

"DD" FEDERAL 25 No. 3

130 FNL & 660 FEL SECTION 25,

TWP. 19 SOUTH, RANGE 24 EAST, N.M.P.M.,

EDDY COUNTY, NEW MEXICO

LOCATED: 16 miles Southwest of Artesia, New Mexico

FEDERAL LEASE NUMBER: NM 58024

LEASE ISSUED: Lease is in a producing status

ACRES IN LEASE: 160 Acres

RECORD LESSEE: TEXACO EXPLORATION AND PRODUCTION inc.

SURFACE OWNERSHIP: USA

<u>GRAZING PERMITTEE:</u> Harold Houghtling P.O. Box 234 Artesia, New Mexico 88210 (505) 746-4435

POOL: Cisco-Canyon (Dagger Draw Upper Penn., North)

<u>POOL RULES:</u> Field Rules are for no wells to be located closer than 330' to any quarter-quarter section, to be 660' from the outer lease lines, and 1320' from the nearest well. Proration Unit for this pay is established at 160 acres. (Permit for a non-stantard location is being requested)

EXHIBITS: A. Access Road and Facilities Map

B. Drilling Rig Layout Diagram

C. Well Location and Acreage Dedication Plat

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1. EXISTING ACCESS ROADS

A. Exhibit "A" in a portion of a 7.5 minute U.S.G.S. topographic map showing the proposed well site and the existing roads in the area. Point "A" is the junction of the existing resource road with Eddy County Road No. 29 within the subject lease, being 16 miles Southerly on U.S. Highway 285 from Artesia or 20 miles Northerly of Carlsbad, 6.1 miles Westerly on Eddy County Road No. 23, and 2.2 miles North and Northwesterly on Eddy County Road No. 23.

From Point "A" an existing Texaco Access Road (shown in Red on Exhibit "A") will be utilized Westerly for 0.1 miles to Point "B". From this point a new resource road will be constructed as described below.

2. PLANNED RESOURCE ROAD

A. Length and Width: From Point "B" as shown on Exhibit "A", a new 14 foot wide Resource Road will be constructed 1000 feet Southerly (Shown in Blue on Exhibit "B") with access at the Northeast corner of the proposed well pad, as shown on Exhibits "A" and "B".

B. <u>Surfacing Material</u>: Caliche material will be used to surface the proposed road. It will be watered, compacted, and graded.

C. <u>Maximum Grade</u>: An approximate grade of one percent will be encountered descending from Point "B" to the proposed well pad.

D. <u>Turnouts:</u> None required.

E. <u>Drainage Design</u>: The new road will be crowned at the center to direct drainage to ditches on both sides of the roadway with turnout ditches to be constructed as required.

F. Culverts: None required.

G. <u>Cuts and Fills</u>: Only a slight amount of leveling will be required for the proposed road.

H. Gates and Cattle Guards: None Required.

3. LOCATION OF EXISTING WELLS

A. Existing wells on the lease and in the immediate area are shown on Exhibit "A" and "C".

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

A. The oil, gas, and/or water that this well will produce will be transported by a 2 or 2 1/2" steel surface flowline (shown in Green on Exhibit "A") to the "DD" Federal 24 Battery as shown on Exhibit "A".

. . .

B. An electric line will be built to provide electrical power for producing this well from the existing North-South electric line approximate 200 feet East of the proposed location. The route is 250 feet in length in a Westerly direction to the South side of the proposed location as shown on Exhibit "A".

5. LOCATION AND TYPE OF WATER SUPPLY

A. It is not contemplated that a water well will be drilled. Water necessary for drilling operations will be purchased and trucked to the well site or will be transported to the well site by a temporary pipeline laid on the ground alongside existing and proposed roads.

6. SOURCE OF CONSTRUCTION MATERIALS

A. Caliche needed for the well pad will be taken from an existing pit in the SW/4 of the SW/4 of Section 17, T-19-S, R-24-E, Eddy County, New Mexico. It will be transported to the proposed road and well site by the existing access and resource roads.

7. METHOD OF HANDLING WASTE DISPOSAL

A. Drill cuttings will be disposed of in the drilling pits.

B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.

C. Water produced during tests will be disposed of in the drilling pits.

D. Oil produced during tests will be stored in test tanks until sold.

E. Trash, waste paper, garbage and junk will be placed in a trash bin located on the drill site pad. It will be transported to an approved landfill for disposal within 30 days after completion of drilling and/or completion of operations. All waste material will be contained to prevent scattering by the wind.

8. ANCILLARY FACILITIES

A. None required.

.

9. WELL SITE LAYOUT

A. Exhibit "B" shows the relative location and dimensions of the well pad, mud pits, and trash bin, and the location of the major rig components.

B. Cut and Fill requirements will be minor, but clearing and leveling of the well site will be necessary.

10. PLANS FOR RECLAMATION OF THE SURFACE

A. After completion of drilling and/or completion of operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location will be cleaned of all trash and junk to leave the well site in an as aesthetically pleasing condition as possible.

B. Any unguarded pits containing fluids will be fenced until the pits are dry.

C. After abandonment, all equipment, trash and junk will be removed and the well site will be cleaned. Any special reclamation and/or special revegetation requirements of the Surface Management Agency will be complied with and will be accomplished as rapidly as possible.

11. OTHER INFORMATION

A. <u>Topography:</u> The land surface in the area of the well is relatively level. Regionally, the land slopes to the South with an average slopes of less than one to two percent.

B. <u>Soil:</u> Top soil at the well site is a shallow sandy loam.

C. <u>Flora and Fauna</u>: The vegetation cover is moderate, it includes range grasses, weeds, and mesquite bushes. Wildlife in the area is that typical of a semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, hawks, dove, quail and other small birds.

D. <u>Ponds and Streams</u>: The Seven Rivers is a intermittent drainage located approximately 300 feet South Southwesterly of the location. The location is 12 feet higher than the flowline of the drain and 3 feet higher than the adjacent top of bank.

E. <u>Residences and Other Structures</u>: There are no occupied dwellings or other structures within 3/4 mile of the well site. (Note the Parrish Ranch House as shown on Exhibit "A" is approximately 1 mile Northeasterly of the proposed location.

F. <u>Archaeological, Historical, or other Cultural Sites:</u> None were observed in the proposed construction area. Some artifacts and old dwelling sites were found Southeasterly of the proposed well site.

G. <u>Land Use:</u> Grazing, oil and gas production, and wildlife habitat.

H. <u>Surface Ownership</u>: Federal

12. OPERATOR'S REPRESENTATIVE

C. P. Basham Drilling Superintendent Texaco Exploration and Production Inc. P. O. Box 3109 Midland, Texas 79701 Office Phone: (915) 688-4620

CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Texaco Exploration and Production, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U. S. C. 1001 for the filing of a false statement.

12-10-91 Date C.P. Basham/cw#

C. P. Basham Drilling Superintendent Midland, Texas

Enclosures isp





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

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DISTRICT 1 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

State of New Mexico Energy, Minerals and Natural Resources Depar ant

Form C-102 Revised 1-1-89 Í.

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer houndaries

Operator		······			Lease					
Texaco	o Pr	oducino	Inc.		1	Federal	25		Well No.	ว
Unit Letter	Section		Township		Range			County		3
A	2	5	19-S	outh	24-Ea	st		Fddy		
Actual Footage Loc	cation of	Well:	<u> </u>		1		NM	IPM Eddy		
130	feet f		orth	line and	660		ford f	rom the East	•	
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unitiza	auon, 10	rce-pooling, etc.	7							
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No allow	vable wi	ll be assigned to	the well until all	interests have be	en consolidate	d (by communit	ization, unitiz	ation, forced-poolin	2. or otherwise)	
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()= Fd. 1" 1. Pipe w/ G.L.O. B.C. @ Y4 ⊆ @ = Fd 2" 1. Pipe w/ G.L.O. B.C.@ Sec. ⊆ O: Staked Loc. ● = Producing Well.



Texaco Exploration and Production Inc. 2000, 2000 and Midland Producing Director. Midland Proticing Division

RECEIVED JAH 29 10 29 AM '92 CAREA

January 24, 1992

Mr. Shannon Shaw Bureau of Land Management P. O. Box 1778 Carlsbad, New Mexico 88220

Dear Mr. Shaw,

In reference to our conversation concerning the surface casing plan of the proposed Texaco DD Federal "25" Well No. 3, I have spoken to Mr. Glenn Brim, District Manager of the State Engineer's office in Roswell, NM.

I informed Mr. Brim that Texaco plans to drill a Dagger Draw-Upper Pennsylvanian oil well in Section 25, Township 19 South, Range 24 East, NMPM, Eddy County, New Mexico. Further, that we are planning to set 9-5/8", 36#, J-55 surface casing at a depth of 1300' in a 12-1/4" drilled hole.

Mr. Brim confirmed the decision we have previously received from Mr. Ken Fresquez of his office. Mr. Brim specifically stated that the running of 9-5/8" surface casing in a 12-1/4" hole meets the requirements of the State Engineer's Rules and Regulations No. 4-15.2. concerning hole diameter.

Since our casing plan meets all of the published regulations of the BLM and the NMOCD as well as the State Engineer's rule to which you have deferred, your prompt approval will be most appreciated.

Sincerely,

h Manoulide

Mitch Mamoulides Drilling Engineer

file chrono

Attachment

MJM



Texaco Exploration and Production Inc. P.O. Box 3109 Midland Producing Division

Midland TX 79702-3109

RECEIVED JAN 29 10 20 AM 192

January 24, 1992

Mr. Glenn Brim District Manager New Mexico State Engineer 1900 West 2nd Street Roswell, NM 88201-1712

Dear Mr. Brim,

Texaco plans to drill a Dagger Draw-Upper Pennsylvanian oil well in Section 25, Township 19 South, Range 24 East, NMPM, Eddy County, New Mexico. We are planning to set 9-5/8", 36#, J-55 surface casing at a depth of 1300' in a 12-1/4" drilled hole.

In confirmation of our conversation earlier today, this casing plan meets the "Hole Diameter" requirements of your office, since the 12-1/4" drilled hole is more than 2 inches larger than the 9-5/8" Reference is made to the State Engineer's Rules and casing. Regulations No. 4-15.2.

As we discussed, the BLM representative who is reviewing our application requested me to make sure that our plan met your requirements. Therefore, I will copy this letter to him so that he will know we have discussed this issue and that our plan does meet the "Hole Diameter" provision.

Thank you very much for your assistance in this matter.

Sincerely,

Witch Mamorilito

Mitch Mamoulides Drilling Engineer

file chrono

MJM

would allow the commingling of water from the artesian formation with water in overlying formations.

4-15.1. CASING AND COUPLING--API TABLE OF SPECIFICATIONS. Only threaded casing shall be used. Casings and couplings shall meet minimum American Petroleum Institute (API) specifications for the following sizes:

Outside Diameter Inches		Weight With Couplings Lbs./Ft,	Thickness O.D. lings Inches Inche		Coupling Length Inches	Threads Per Inch	Grade Of Casing
4	1/2	9.50	.205	5.000	5		
5	1/2	13.00	.228	6.050	5	8	F-25
6		15.00	.238		6 3/4	8	F-25
6	5/8			6.625	7	8	F-25
-	5/9	17.00	.245	7.390	7 1/4	8	F-25
/		17.00	.231	7.656	7 1/4	8	F-25
7	5/8	20.00	.250	8.500	7 1/2	8	F-25
8	5/8	24.00	.264	9.625	7 3/4	8	
9	5/8	29.30	.281	10.625			F~25
10	3/4	32.75	. 279			8	F-25
11	3/4			11.750	8	8	F-25
		38.00	. 300	12.750	8	8	F-25
13	3/8	48.00	.330	14.375	8	8	F-25

If casing length exceeds one thousand (1,000) feet, H-grade or better shall be used for thirteen and three-eighths (13 3/8) inch casing.

4-15.2. HOLE DIAMETER. In all cases the diameter of the drilled hole shall be at least two (2) inches greater than the outside diameter of the casing.

4-16. CASING--CEMENTING--TESTING. The following specifications shall govern casing, comenting, and testing: the casing shoe shall be welded to the casing to assure proper The casing shall be landed on a suitable casing seat position. in the confining formation overlying the artesian aquifer formation and sufficient oil well cement shall be used to obtain circulation to the surface. When circulation to the surface is not obtained, cement shall be placed to the surface behind the Additives of pozzolanic nature may be used above the casing. casing shoe but shall not exceed fifty per cent (50%) by volume. The addition of calcium chloride and/or gel is permissible but shall not in any case exceed two per cent (2%) each by weight. A sufficient amount of cement without additives shall be used to allow neat cement to seal the casing shoe and rise a minimum of fifty (50) feet above the shoe between the casing and the hole. Cement shall be allowed to set a minimum of forty eight (48) hours before drilling is resumed. Sealing off of the formations shall be checked by a method approved by the State Engineer or his authorized representative.