	COPY TO O. C. C. SUBMIT IN TRIPLICAT					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
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a. FYPE OF WORK b. TYPE OF WELL	DRILL	DEEPEN		PLUG BAC	СК 🗌	7. UNIT AGREEMENT NAME	
OIL WELL	GAS WELL XX)TH ER	single X		I.B	8. FARM OR LEASE NAME	
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Al proposed pro	1980' FSL		11. SEC., T., B., M., OR BLE. AND SURVEY OR AREA	с г			
						SEC. 18, T.9 S.,R.3	
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4	4096 GR					DECEMBER 15, 1979	·
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"GENER	RAL REQUIREMEN	TS"	HOBBS	S, NEW MEXIC			
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ne. If proposal program,		directionally, give pertin	ent data on subs	urface locations ar	nd measure	d and true vertical depths. Give bl	owout
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SIGNED W	D. Smeltzer	nest	TITLE			DATE 11-20-78	
(This space fo	r Federal or State offi	ce use)f					
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NEW MENICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Web 11 Lease Operator Federal 18 1 Amarillo Oil Company whishly Range Jounty Section finit Lette 9 South 36 [ast Lea 18 1 Actual Foot me Location of Well: 1980 teet from the South West line and 660 teet from the line Desinated Acreage 157.49 Freducing Formation Ground Level Elev Poor Undesg. Bough San Andres Gas San Andres 4096.0 Acres 1 Outline the acreage dedicated to the subject well by colored pencil or hachure 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 interests of all owners been consulidated by communitization, unitization, force-pooling. etc? To be Communitized If answer is "yes!' type of consolidation _ No Yes If answer is "no" list the owners and tract descriptions which have actually been consolidated (I se 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 interests, has been approved by the Commission. CERTIFICATION certify that the information conis true and complete to the nowledge a d belief W.D. Smeltzer Drilling Superintendent Amarillo Oil Company 11-20-79 ATE certify that the well location was platted from field 660 made by me or ct to the best of my Date Stores 980 October 30, 1979 Registered For terst end no se grvevor John . West 676 Eidson 3239

2000

2840

330

500

1000

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Ronald J

Form C~102 Supersedes C-128 Effective 1-1-65

SUPPLEMENTAL DRILLING DATA

AMARILLO OIL COMPAN	١Y
WELL NO.1 FEDERAL	18
LEASE NM 34448	

1. SURFACE FORMATION: Tertiary

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite 2200 Yates 2765 San Andres 4035

3. ANTICIPATED POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Fresh Water Above 250' San Andres (Gas) 4750-4800

4. PROPOSED CASING AND CEMENTING PROGRAM:

Casing program is shown on form 9-331 C.

To protect fresh water, surface casing will be set at 250 feet or 50 feet into the Red Beds, whichever is deeper, and will be cemented to the surface.

4-1/2" casing will be, either cemented to the surface with lite-wate cement tailed in with 200 sacks of class "H", or cemented to the surface through a cementing tool located 50' below the top of the Rustler Anhydrite with lite-wate cement tailed in with 100 sacks of class "H" after cementing around the shoe with 200 sacks of class "H" cement.

Cement quantities and additives may be varied to suit well conditions.

5. PRESSURE CONTROL EQUIPMENT:

Blowout preventer stack will consist of two Series 600 ram type preventers.

Sketch of BOP stack is attached.

6. CIRCULATING MEDIUM:

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0-250 feet; Fresh water with gel or lime as necessary for control of viscosity.

250-4500 feet; Salt water with salt gel if viscosity control is needed.

4500-5000 feet; Water with gel or other additives as necessary for viscosity and water-loss control.

7. AUXILIARY EQUIPMENT:

Drill string safety valve will be maintained on the rig floor in open position while drilling operations are in progress.

8. TESTING, LOGGING AND CORING PROGRAMS:

One drill stem test may be run if samples and drilling rate indicate that a test is advisable.

It is planned that electric logs will include Sidewall Neutron with Gamma Ray and Dual Laterlog from 4000 feet to Total Depth.

No cores are planned.

9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE GAS:

None anticipated.

10. ANTICIPATED STARTING DATE:

It is planned that drilling operations will commence about December 15, 1979.

Duration of drilling and completion operations should be about 30 days.



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BOP STACK

SERIES 600

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

FOR

AMARILLO OIL COMPANY WELL NO.1 FEDERAL 18 1980'FSL & 660'FWL SEC.18, T.9 S.,R.36 E. LEA COUNTY, NEW MEXICO

LOCATED: 2-1/2 air miles northeast of Crossroads, New Mexico.

FEDERAL LEASE NUMBER: NM 34448

LEASE ISSUED: October 1, 1978, for five years.

RECORD LESSEE: Amarillo Oil Company.

ACRES IN LEASE: 234.92

SURFACE OWNERSHIP: Privately owned

POOL: Undesignated Bough San Andres Gas Pool.

POOL RULES: Statewide. 160 acre spacing.

EXHIBITS: A. General Road Map B. Plat Showing Existing Roads and Existing Wells. C. Drilling Rig Layout

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a road map showing the location of the proposed well. To go to the proposed well location from Crossroads, New Mexico, go 2.1 miles north on State Highway 18. Exit Highway 18 to the east on a caliche road and go 2.1 miles and turn south. From this point going south there is a cattle guard at 0.1 mile, an oil well on the right at 0.2 mile and a plugged well marker at 0.5 mile. The proposed well location is 1320 feet south of this plugged well marker.
- B. Exhibit "B" is a plat showing existing roads in the vicinity of the well site. Existing roads are color coded blue.
- C. Any repairs to existing roads do not appear necessary at the present time.

2. PLANNED ACCESS ROAD:

- A. Length and Width: The new road will be 12 feet wide and approximately 1300 feet long. The new road is labled and color coded red on Exhibit "B". The center line of the proposed road, from the beginning to the well site, has been staked and flagged with the stakes being visible from any one to the next. It is planned not to surface the well pad and new road initially unless necessary to do so. The new road and well pad will be bladed and graded. If the well is completed for production, the road and well pad will be surfaced.
- B. <u>Surfacing Material</u>: If surfacing is necessary, it will be six inches of caliche, watered, compacted and graded.
- C. Maximum Grade: Probably less than one percent.
- D. Turnouts: None required.
- E. Drainage Design: New road will have a drop of six inches from the center on each side.
- F. Culverts: None required.
- G. <u>Cuts and Fills</u>: None necessary. Only clearing and minor levelling will be required.
- H. Gates and Cattle Guards: None required. No fences involved.

3. LOCATION OF EXISTING WELLS:

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A. Existing wells in the immediate area are shown on Exhibit "B".

- 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:
 - A. There has been previous development on this lease, however the existing well and facilities are owned by another operator.
 - B. If the proposed well is productive, the tank battery and flow line will be located on the well pad and no additional surface disturbance will be necessary.
- 5. LOCATION AND TYPE OF WATER SUPPLY:
 - A. It is not contemplated that a water well will be drilled. Water necessary for drilling will be purchased and hauled to the well site over existing and proposed roads shown on Exhibit "B".

6. SOURCE OF CONSTRUCTION MATERIALS:

A. Caliche necessary for road and well pad construction will be obtained from a pit on privately owned land. There are caliche pits located approximately 2 miles northwest of the well site in the SE_4SW_4 sec. 11, T. 9 S., R. 35 E.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the drilling pit.
- B. Drilling fluid 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 pit. Oil produced during tests will be stored in test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. Trash, waste paper, garbage, and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "C".

F. All trash and debris will be buried or removed from the well site within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

A. None required.

9. WELL SITE LAYOUT:

- A. Exhibit "C" shows the relative location and dimensions of the well pad, mud pits, trash pit, and the location of major rig components.
- B. Only minor levelling of the well site will be required. No significant cut and fill will be necessary.
- C. The pad and pit area has been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion 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 they are filled.
- C. After abandonment, all equipment, trash and junk will be removed and the location cleaned. Any special rehabilitation and/or special revegetation requirements of the surface owner will be complied with and accomplished as expeditiously as possible.

11. OTHER INFORMATION:

- A. <u>Topography</u>: The land surface is relatively level. Regional slope is to the southeast.
- B. Soil: The top soil at the well site is a sandy loam.
- C. Flora and Fauna: The vegetative cover is sparse and consists

of mesquite, yucca, shinnery oak, weeds and range grasses. Wildlife in the area is that typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, dove and quail.

- D. Ponds and Streams: There are no rivers, streams, lakes or ponds in the area.
- E. Residences and Other Structures: The nearest occupied dwelling is one mile southwest. The nearest windmill is there also.
- F. Archaeological, Historical and Cultural Sites: None observed in the area.
- G. Land Use: Grazing.

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- H. Surface Ownership: Privately Owned.
- 12. OPERATOR'S REPRESENTATIVE:

The representative responsible for assuring compliance with the approved Surface Use Plan is:

> W. D. Smeltzer P. O. Box 151 Amarillo, Texas 79105 Office Phone: 806-378-3391 Home Phone: 806-353-6001

13. 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 presently 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 Amarillo Oil Company and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

<u>JI-20-79</u> Date W. D. Smeltzer, Drifling Superintendent







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EXHIBIT "C"

RIG LAYOUT AMARILLO OIL COMPANY WELL NO.1 FEDERAL 18 SCALE: 1" = 50'



SUITE 800, PLAZA ONE / P. O. BOX 151, AMARILLO, TEXAS 79105 / (806) 376-4841

W. D. SMELTZER Drilling Superintendent

November 13, 1979

U. S. Geological Survey P. O. Box 1157 Hobbs, New Mexico 88240

> Re: Federal 18 Well #1 Lea County, New Mexico

Gentlemen:

Depicted below will be the agreement between Amarillo Oil Company and Mr. Milton Bonds for restoration of the location, reserve pit and road in the event of a dry hole and producer.

Producing Well

If road and location are prepared without caliche, caliche will be added to road and location if deemed necessary. Reserve pit will be dried up. This will probably entail hauling mud to a pit and Mr. Bonds said they have been using the pit in Section 5-T9S-R36E. After pit is dried up, it will be leveled and seeded with grass. The location and road will remain the same, caliched or uncaliched.

Dry Hole

If location and road are prepared using caliche, the caliche will be picked up off the location only and hauled to the existing pit in Section 5. The reserve pit would be dried up as before described, pit and location leveled and then seeded with grass.

This is basically our agreement except for possible minor adjustments.

Very truly yours, W. Q. major W. D. Smeltzer

/et