

N.M.O.

COPY

SUBMIT IN _____ LICATE*

(Other instructions on _____)

Form approved
Budget Bureau No. _____

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UNITED STATES
DEPARTMENT OF THE INTERIOR

NM OIL CONS. COMMISSION

30-015-23429

Drawer DD

Artesia, NM 88210

GEOLOGICAL SURVEY

C/SF

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

Anadarko Production Company ✓

3. ADDRESS OF OPERATOR

P. O. Box 67, Loco Hills, New Mexico 88255

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

At surface 1980' FNL & 660' FWL Sec. 17, T18S, R29E

At proposed prod. zone Same Eddy County, New Mexico

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

Approximately 7 miles Southwest of Loco Hills Townsite

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

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

660'

16. NO. OF ACRES IN LEASE

2600

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

467'

19. PROPOSED DEPTH

2800'

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

3524.9 GL

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.0#	350'	Approx 200 sx Circ or readymixed
7-7/8"	5-1/2"	15.5#	2800'	Approx 500 sx circulated

1. Rig up rotary tools.
2. Drill 12-1/4" hole to approx. 350'; set & circulate or readymix cement to surface on 8-5/8" casing. Install & test Series 900 Double Ram Hydraulic Blowout Preventor.
3. Drill 7-7/8" hole to T D (approx. 2800'); run Open Hole Logs.
4. Set & circulate cement on 5 1/2" casing from T D to surface.
5. Perforate, acidize and fracture treat Grayburg Zone.
6. Run 2-3/8" tubing, rods & bottom-hole pump; install pumping equipment and place well on production.

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

Truman D. Jones

TITLE

Field Foreman

DATE

Feb. 18, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

(Orig. Sd.) GEORGE H. STEWART

DATE

CONDITIONS OF APPROVAL, IF ANY:

MAR 23 1982

FOR

JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

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FEB 22 1982OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, N.M.Posted ID-1
API + TL Book
4-2-82

N MEXICO OIL CONSERVATION COMMISS
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section.

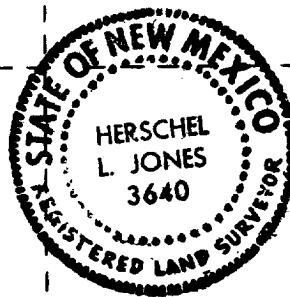
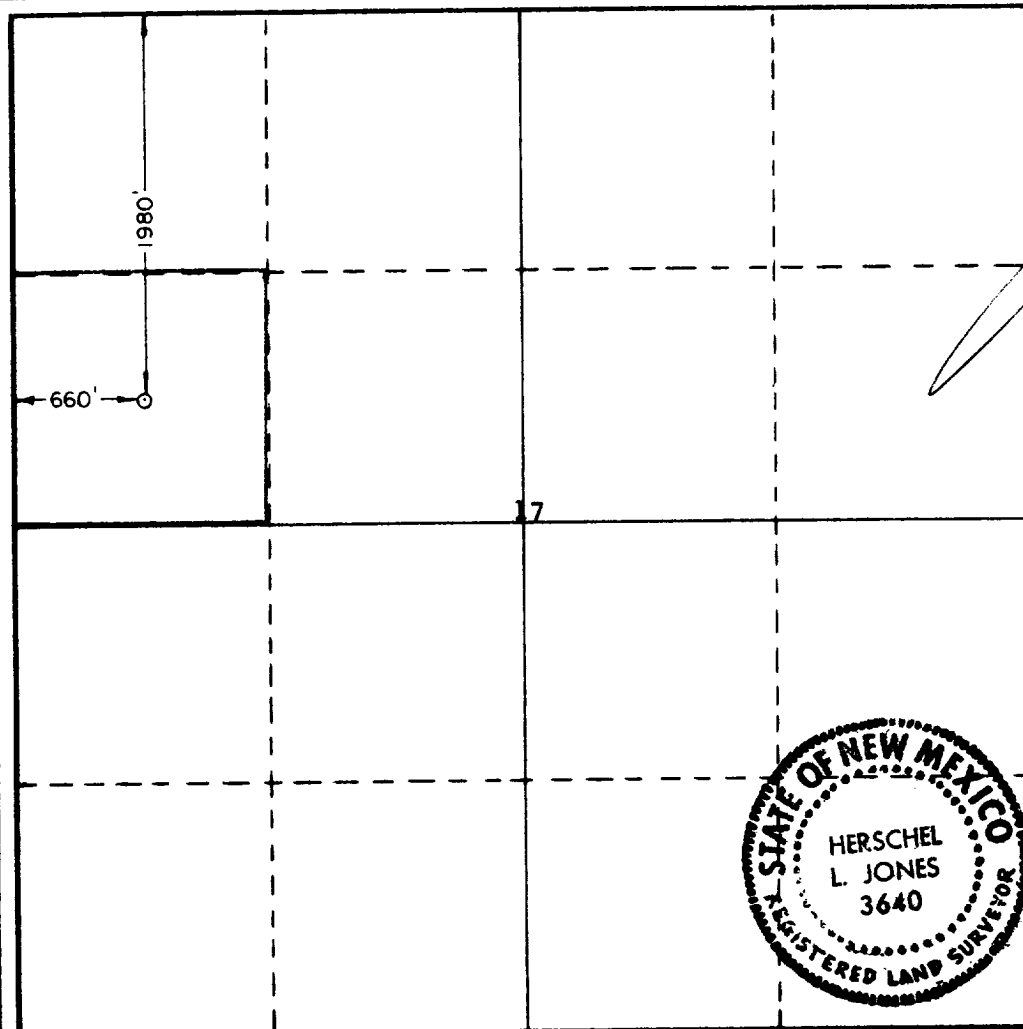
Operator ANADARKO PRODUCTION COMPANY			Lease Ballard Grayburg SA Unit Tr.20		Well No. 12
Unit Letter E	Section 17	Township 18 South	Range 29 East	County Eddy	
Actual Footage Location of Well: 1980 feet from the North line and 660 feet from the West line					
Ground Level Elev. 3524.9	Producing Formation Grayburg		Pool Loco Hills-Queen-Grayburg-San Andres		Dedicated Acreage: 40 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 consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation unitization

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 interests, has been approved by the Commission.



CERTIFICATION

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

Name

Jerry L. Buckles

Position

Area Supervisor

Company

Anadarko Production Co.

Date

February 18, 1982

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

2/1/82

Registered Professional Engineer and/or Land Surveyor

Certificate No.

3640

DATA SHEET

This data sheet is provided in reference to the attached "Application for Permit to Drill" Anadarko's: Ballard Grayburg San Andres Unit Tract No. 20, Well No. 12

1. Location: 1980' FNL & 660' FWL Sec. 17, T18S, R29E, Eddy County, New Mexico
2. Elevation: 3524.9' GL
3. Geological Name of Surface Formation: Triassic Doakum (Santa Rosa)
4. Type of Drilling Tools to be utilized: Rotary Tools
5. Proposed Drilling Depth: 2800'
6. Tops of Important Geological Markers:

T. Salt - 350'	7-Rivers - 1275'
B. Salt - 780'	Queen - - - 1890'
Tansill - 835'	Grayburg - - 2250'
Yates - - 920'	San Andres - 2685'
7. Estimated Depth of Anticipated Water, Oil or Gas:

Oil - 2400' - 2685'
8. Casing Program:

8-5/8" - 24.0# K-55 or J-55 - New
5-1/2" - 15.5# K-55 or J-55 - New
9. Setting Depth of Casing:

8-5/8" - 350' - 200 sx cement
5-1/2" - 2800' - 500 sx cement
10. Specifications for Pressure Control Equipment: See attached Schematic
This Warton Rig is equipped with a Series 900 BOP with 4" Blind Rams, kill line and choke manifold; Koomey Hydraulic Controls and Accumulator with remote controls. When nipping up, test BOP and Choke to 1000 psi. Operate BOP equipment once a day, or as directed by Company Representative.
11. Mud Program:

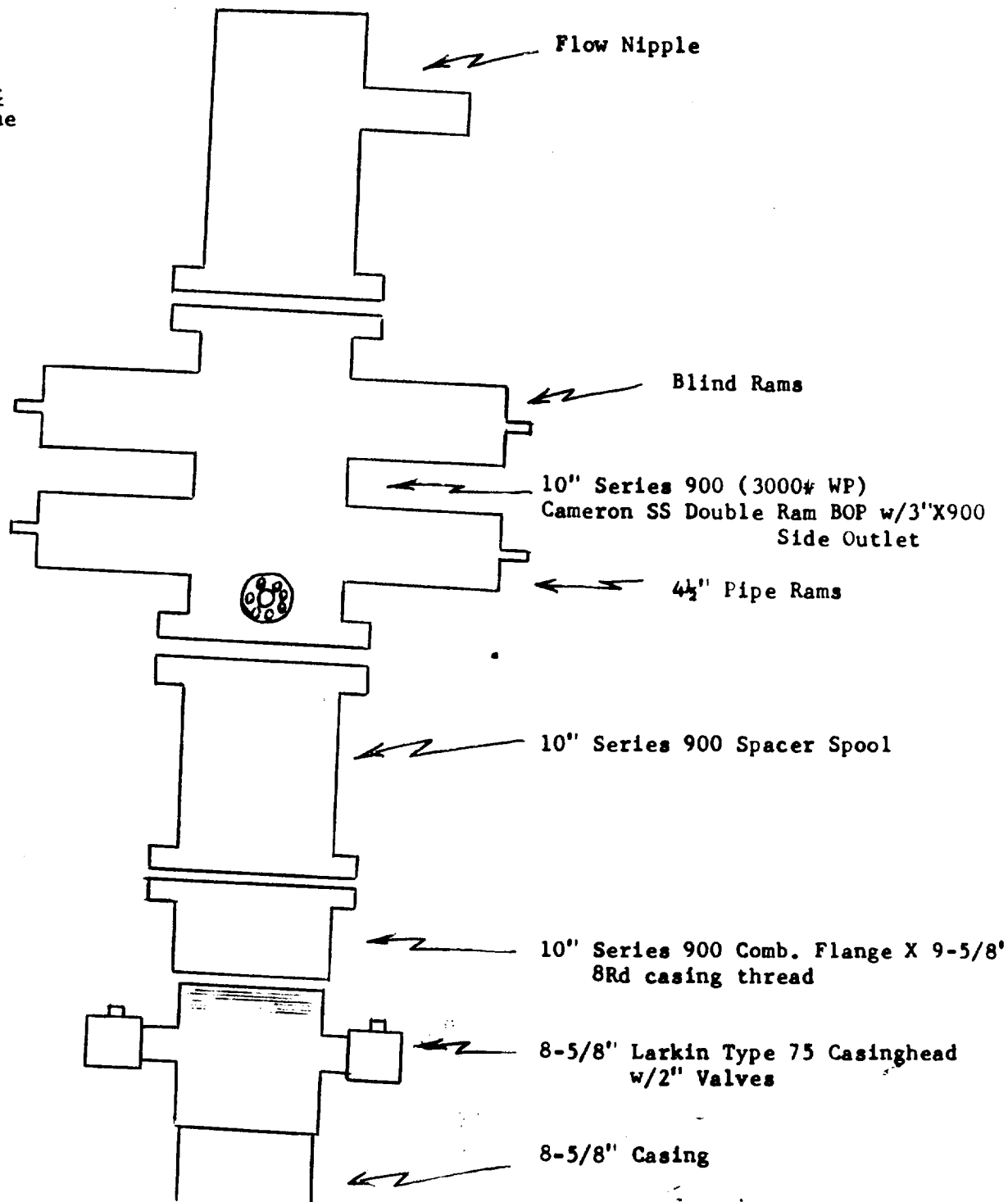
Spud and drill with fresh water Native Mud to a depth of approx. 350'. Drill out from under surface casing with 10% brine water to within 50' of T D while maintaining a Ph of 10. At this point paper & gel will be used to clean hole prior to running Open Hole Logs.
12. Testing, Logging & Coring Program:
 - a. Testing: No drill stem testing is scheduled.
 - b. Coring: There is a possibility the well will be cored.
 - c. Logging: Open Hole Logs will be run prior to running 5 1/2" casing.
13. Potential Hazards:

None are expected. Above described BOP should take care of any blowout. Numerous wells have been drilled in this area without problems.
14. Anticipated Starting Date & Duration:

Plan to begin drilling operations about April 5, 1982. Approximately 6 days are required to drill the well and 2 weeks for completion.
15. Other Facets:

None.

Closing Unit
4 Stage Payne



B O P Schematic

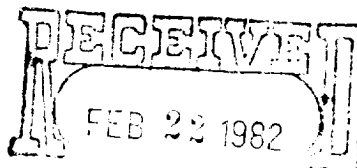
Anadarko
PRODUCTION COMPANY

A
Panhandle
Eastern
Company

P. O. Box 67 • Loco Hills, New Mexico 88255 • (505) 677-2411

February 18, 1982

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



OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

Gentlemen:

Following is the "Surface Use and Operation Plan" for the drilling of Anadarko Production Company's Ballard Grayburg San Andres Unit Tract No. 20, Well No. 12 located 1980' FNL & 660' FWL Sec. 17, T18S, R29E, Eddy County, N. M.

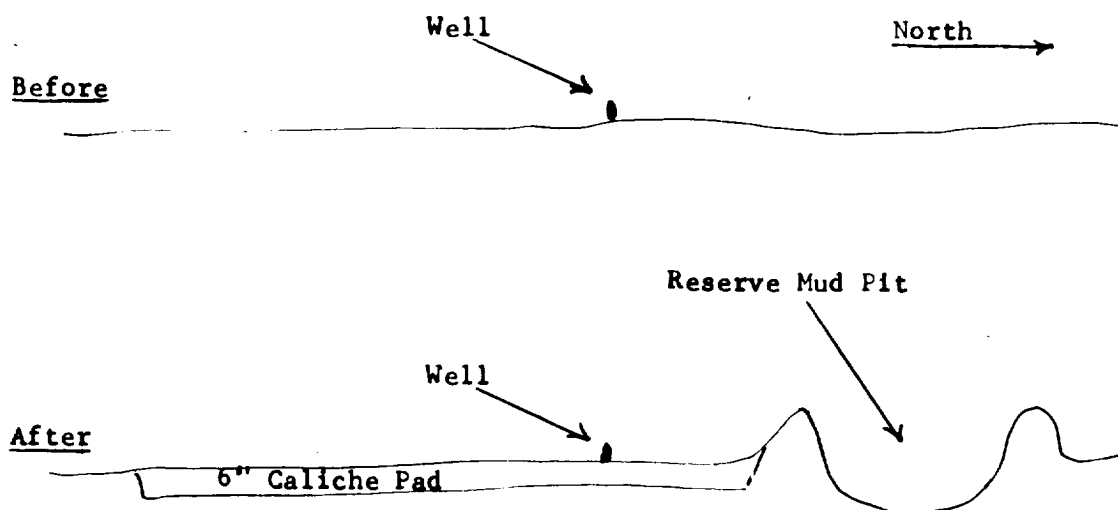
1. Existing Roads - A small scale map is attached (Exhibit #1). It shows the location of this well in relation to Loco Hills, New Mexico Townsite.
A larger scale map (Exhibit #2) shows State Highway #360 and County Road #217 in blue. The existing caliche lease roads are shown in orange. The nearest caliche road is now located approximately 600' Northeast of this drill site.
2. Planned Access Roads - A 12' wide caliche road is to be built between this drill site and an existing caliche road which is approximately 600' Northeast. This proposed new road is shown as a dashed green line on Exhibit #2.
There will be no fence to cut or cattleguard to set.
3. Location of Existing Wells - All existing wells on lease are indicated on attached map. There are no exploratory wells being drilled within a two mile radius.
4. Location of Tank Batteries, Production Facilities and Lines - There is a central tank battery located on the Ballard Unit in the SW/4 of NW/4 of Section 8, T18S, R29E. All production on the Ballard Unit is piped to this central tank battery. Existing lease lines to central tank battery are shown in black; proposed line to location is dashed blue on Exhibit #2.
Existing Central Valley Electric power line is shown in purple; proposed electric power line to new well is shown in dashed purple.
5. Location & Type of Water Supply - Fresh water to be used at drilling site will be supplied by I & W Trucking or Jim's Water Service and will be hauled from our Ballard Unit Water Plant and from Double Eagle Water Company taps in the Loco Hills area.
Brine water will be hauled by I & W Trucking or Jim's Water Service from B & E, Inc. located on County Road #217 approximately 10 miles Southwest of Loco Hills, New Mexico.
6. Source of Construction Material - Primary source of caliche will be the reserve pit area of the new drilling location. Alternate source will be an existing caliche pit located in the SW/4 of SW/4 of Sec. 8, T18S, R29E, Eddy County, New Mexico. This caliche pit is owned by the U. S. Government and is indicated on Exhibit #2 in green.

7. Methods for Handling Waste Disposal - Enclosed drill site plat (Exhibit #3) indicates location of drilling pits, reserve pit and rubbish pit. After sufficient time has elapsed to allow drilling fluids to dry, all pits will be closed and leveled. The rubbish pit adjacent to drilling site will be deep enough to contain all rubbish when covered and leveled.

8. Ancillary Facilities - There are no camps or airstrips planned.

9. Well Site Layout - Well site (Exhibit #) has been staked and is indicated by red area on enclosed maps (Exhibits #1 & #2). Drilling site is a sandy area covered by sparse native vegetation. Drilling pad will be 6" of caliche measuring 90' East, 170' West, 80' North and 100' South. Drilling pad will blend with terrain since the topography is relatively flat.

Cross Section - Before and After - is shown below:



10. Plans for Restoration of Surface - Commercial Well:

Reshaped Topography - Rubbish will be buried upon completion of drilling operations. All future rubbish will be removed by the individual generating same.

Caliche Pad - Caliche drilling pad will remain intact until well is abandoned.

Road - Road will remain intact as long as there are producing wells in this area.

Timetable - The well should produce for several years.

Plans for Restoration of Surface - Plugged and Abandoned Well:

Surface will be restored in accordance with all regulations in effect at the time of abandonment.

11. Other Information - Topography is generally flat, surrounded by small sand dunes.

Soil Characteristics - Unconsolidated sand.

Flora - Sparse grass and weeds.

Fauna - Rabbits, rats, mice, birds and snakes.

Other Surface Use Activities - Leased grazing land.

11. Other Information - continued

Surface Ownership - U. S. Government

Water Wells - None.

Lakes, Streams and Ponds - A pond approx $1\frac{1}{2}$ mi Southeast & a pond approx $\frac{1}{2}$ mi Northeast of this proposed location-both for livestock.

Dwellings - None.

Other Facilities - None.

Archaeological Sites - None - (Archaeological Survey conducted 2-10-82).

Historical Sites - None.

Cultural Sites - None.

12. Operator's Representative -

Charles E. Copeland - Office Phone - 677-2411
Home Phone - 746-6074

Michael L. Braswell - Office Phone - 677-2411
Home Phone - 677-2223

Truman D. Jones - Office Phone - 677-2411
Home Phone - 677-3215

13. Certification - I hereby certify that I, or persons under my direct supervision, have inspected the proposed drilling 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 Sweatt Construction Company or Jabo Rowland Construction Company and their contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

2/18/82
Date


Jerry E. Buckles Area Supervisor
Title