3	and the second	e de la			\ (
Form 9-331 C (May 1963)	1		SUBMIT IN (Other instruct	tions on Budget	approved. C Bureau No. 42-R1425.
ALCEIVED BY		TED STATES	reverse si	de) <u>30 - 01</u> D. LEASE DEBIG	5-2585
MAR 14 1985	GEOLOGICAL SURVEY			LC 0585	
APPLICATIO	n for permit	<u>to drill, de</u>	EPEN, OR PLUG B	ACK 0. IF INDIAN, AL	LOTTEE OB TRIBE NAME
OL CIPEDE WORK		DEEPEN 🗌	PLUG BAC	K D 7. UNIT AGREEM Ballard San And	Grayburg res Unit
OIL G	VELL OTHER X-	Water Inject:	IONE DE ZONE	8. FARM OR LEA	
2. NAME OF OPERATOR				Tract N	o. 10
Anadarko Pro	duction Company	7	1 Mar North	9. WELL NO.	
3. ADDRESS OF OPERATOR				9	
P. O. Drawer	: 130, Artesia,	New Mexico	88210	-05	POOL, OR WILDCAT
4. LOCATION OF WELL (F At surface	teport location clearly and	I in accordance with a	ny State fequirements.*)		11s-Queen-G-SA
2205	FNL & 1310' FWI		MAR OA	11. SEC., T., R., I AND SURVEY	M., OR BLK. OR AREA
At proposed prod. zo	^{ne} Same	Amapl L	DOC,	4 - 185	- 29E
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POST OF	FFICE*		PARISH 13. STATE
Approximatel	y 7 miles South	west of Loco	Hills, New Mexico	Eddy	New Mexico
15. DISTANCE FROM PROP LOCATION TO NEARES	OSED*		3. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNE TO THIS WELL	D
PROPERTY OR LEASE (Also to Dearest dr)	LINE, FT.	10'	2600	40	
	18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED,		. PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS	
OR APPLIED FOR, ON TH		750'	2880 '	Rotary	
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)		····	22. APPROX. D.	ATE WORK WILL START*
3536.1' GI	d			March 1	5, 1985
23.]	PROPOSED CASING	AND CEMENTING PROGRA	M	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT		CEMENT	
12-1/4"	8-5/8"	24.0#	300'	250 sx circulat	ed
7-7/8"	4-1/2"	10.5#	2880	750 sx circulat	ed

1.

- Rig up rotary tools. | | | Drill 12-1/4" hole to approx. 300'; set & circulate or readymix cement to surface on 2. 8-5/8" casing. Install & test Series 900 Double Ram Hydraulic Blowout Preventor.
- Drill 7-7/8" hole to T D (approx 2880'); possibly run Open Hole Logs. 3.
- 4. Set & circulate cement on 42" casing from T D to surface.
- 5. Perforate and acidize Grayburg Zone.
- Equip braidenhead and casinghead with pipe δ values brought to the surface (values open) 6. as an "attention getting device" of possible tubing, casing or packer leaks.
- Run 2-3/8" SALTA (internally plastic lined) tubing with 42" injection packer. 7.
- Set packer approx 50' above top perfs; pressure test casing to NMOCD specifications; 8. unset packer, circulate packer fluid & reset packer.
- Hook up wellhead for water injection. 9.

10. Commence water injection in accordance with NMOCD Order #R-7000, Case #7572 dated 6-11-82. Note: A hearing is scheduled in Santa Fe to obtain approval of this unorthodox location and amend NMOCD Order #R-7000, Case #7572 to include this well - BGSAU Tract No. 10, Well No. 9.

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. BIGNED EAnneh	Area Supervisor	DATE March 1, 1985
(This space for Federal or State office use)	APPROVAL DATE	
APPROVED BY DAN Word CONDITIONS OF APPROVAL, IF ANY: 19	TITLE CARLSDAD REDOUTER AREA	APPROVAL SUBJECT TO ~
Subject to Like Approval by State	*See Instructions On Reverse Side	GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ANTACHED

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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		All distances must	be from the outer	boundaries of	the Section.	Well	No
		TI <u>ON C</u> OMPANY	Balla	rd Gray	burg SA U	Jnit Tr.10	9
ANADAT	and the second	Township	Hanide		County		
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tual Footage Lo			and <u>1310</u>	1.0	et from the Wes	st line	
205.0	test from the N	01 01	and 1710	o Hills-		Dedicated A	creages
ound Lyvel Elev	1			vburg-Sa	n Anders	40	Acres
36.1	Graybu	<u>p</u>	010	<u>jourg</u> se	as hachure mei	rks on the plat belo	ow.
1. Outline !	the acreage ded	cated to the aubject	t well by cold	wed pencir	or nuchaic last	ike on the pier of	
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DATA SHEET

This data sheet is provided in reference to the attached "Application for Permit to Drill: Anadarko's Gallard Grayburg San Andres Unit Tract No. 10, Well No. 9

2205' FNL & 1310' FWL Sec. 4, T18S, R29E, Eddy County, New Mexico 1. Location:

2. Elevation: 3536.1' GL

3. Geological Name of Surface Formation: Triassic Doakum (Santa Rosa)

4. Type of Drilling Tools to be utilized: Rotary

2880' 5. Proposed Drilling Depth:

6. Tops of Important Geological Markers:

T. Salt B. Salt		7-River s Que e n 	1980'
Tansill	825'	Grayburg	2390 '
Yates		San Andres -	2810'

7. Estimated Depth of Anticipated Water, Oil or Gas:

Oil: - - 2400 - 2800

8. Casing Program:

8-5/8" - 24.0# K-55, or J-55 - New 4-1/2" - 10.5# K-55 or J-55 - New

9. Setting Depth of Casing:

8-5/8" - 300" - approx. 250 sx cement 4-1/2" - 2880' - approx. 750 ax cement

10. Specifications for Pressure Control Equipment: (See attached Schematic)

This rig will have a Series 900 BOP with 42 Blind Rams, kill line and choke manifold; Koomey Hydraulic controls & accumulator with remote controls. When nippling 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. 300'. 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 O. H. Logs.

- 12. Testing, Logging & Coring Program:
 - a. Testing: No drill stem testing is scheduled.
 - b. Coring: No coring is planned.
 - c. Logging: Open Hole Logs will be run prior to running 45" 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 Mar. 15, 1985; approx 6 days are required to drill the well & 2 weeks for completion.
- 15. Other Pacets:



A Panhandie Easiern Company

P. O. Box 67 + Loco Hill's New Mexico 38255 + (505, 577 2411



ANADARKO PRODUCTION COMPANY



Bureau of Land Management P. 0. Box 1778 Carlsbad, New Mexico 88220

Gentlemen:

Following is the "Surface Use and Operation Plan" for the drilling of Anadarko Production Company's Ballard Grayburg San Andres Unit Tract No. 10, Well No. 9 located 2205' FNL & 1310' FWL, Sec. 4, T18S, R29E, Eddy County, New Mexico.

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 roads are shown in orange. The nearest caliche road is now located approximately 750' West 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 750' West. This new road is shown as a dashed orange 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 enclosed map. There are no exploratory wells being drilled within a 2 mile radius.

4. Location of Tank Batteries, Production Facilities and Lines - The Central Tank Battery and Water Injection Plant are located in the SW/4 of NW/4 of Sec. 8, T18S, R29E as shown on Txhibit #2. Existing water injection lines are shown in solid blue and proposed injection lines are shown in dashed blue on Exhibit #2.

5. Location & Type of Water Supply - Fresh water to be used at this drilling site will be supplied by I & W, Inc. or Broom Corporation and will be hauled from our Ballard Water Plant and from City of Carlsbad taps in the Loco Hills area. Brine water will be hauled by I & W, Inc. or Broom Corporation from B & E, Inc.

located on County Road #217 approximately 10 miles Southwest of Loco Hills.

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 SW/4 Sec. 8, T18S, R29E Eddy County, New Mexico which belongs to the U. S. Government or an existing caliche pit located in the NW/4 of Section 9 and is owned by Anadarko. Both existing caliche pits are shown in green on Exhibit #2.

7. Methods of Handling Waste Disposal - Enclosed drill site plan (Exhibit #3) indicates location of drilling pits, reserve pit and rubbish pit. After sufficient

A Dashandle Easters Or see

Page 2 - Surface Use & Operation Plan - Anadarko's BGSAU Tract No. 10, Well No. 9

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. <u>Well Site Layout</u> - Well site (Exhibit #3) 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 100°East, 110° West, 80° North & 100° South. Drilling pad will blend with terrain since the topography is relatively flat.

Cross-section - Before & After is shown below:



Page 3 - Surface Use & Operation Plan - Anadarko's BGSAU Tract No. 10, Well No. 9

12. Operator's Representative -

Truman D. Jones	Office Phone - 748-3368 Home Phone 677-3215
Charles E. Copeland	Office Phone - 748-3368 Home Phone 746-6074
Michael L. Braswell	Office Phone 748-3368 Home Phone 365-2200
Jerry E. Buckles	Office Phone 748-3368 Home Phone 746-9473

13. <u>Certification</u> - I hereby certify that I, or person⁸ 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.

September 28, 1984 Date

Browell lichael L. Brasv

Field Foreman Title



Mr. Charles S. Dahlen or Mr. Bob Pitschke Bureau of Land Management P. O. Box 1778 Carlsbad, New Mexico 88220

> Re: Anadarko's BGSAU Tract No. 10, Well No. 9 Loc. 2205' FNL & 1310' FWL Sec. 4, T18S, R29E, Eddy County, New Mexico

Dear Sir:

Bogle Farms, Inc. is the surface owner of the above captioned location. Arrangements were made with Mr. Millard Derrick (Ranch Foreman for Bogle Farms, Inc.) for the drilling of this location. Upon final abandonment, this location will be cleaned, leveled and all pits backfilled.

No other restoration stipulations were required by Mr. Derrick.

Yours very truly,

Jerry E. Buckles Area Supervisor

JEB/rk





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EXhibit#3