(July 1992)	Ţ			(Other Instruct	n .	FORM APPRO	0101
		TATES	·	reverse side	**	OMB NO. 1004 Expires: February 2	•
	EPARTMENT OF	· · · · · · · · · · · · · · · · · · ·			Г	5LEASE DESIGNATION AND	
	BUREAU OF LAND	MANAGEMEN	Т			NM-251	
APPLIC	ATION FOR PER	MIT TO DR	ILL OR DE	EPEN		6FINDIAN, ALLOTTEE OR	
1a TYPE OF WORK						N/A	
DRIL	L internet	DEEPEN	7		F	7. UNIT AGREEMENT NAME	
b. TYPE OF WELL	b. TYPE OF WELL						ard Unit
OIL GAS WELL WELL	OTHER		SINGLE ZONE	MULTIPLE ZONE		8. FARM OR LEASE NAME, W #415	ELL NO.
2. NAME OF OPERATOR	oration, 2000 Post (Dak Suite 100	Houston	TX 77056		9. API WELL NO. 30-25-3466	1
3. ADDRESS AND TELEPHON		Jun, June 100	s, mousion,	17/1020		30-23- 57020 10. FIELD AND POOL OR WILL	
c/o J. O. Easley, Inc	P. O. Box 2691, R	oswell, NM 8	8211-0245 ((505) 625-88	07	Eunice-Blinebry-Tubb-I	
4. LOCATION OF WELL (Repo	nt location clearly and in account	dance with any State	e requirements.*)	<u> </u>		11. SEC., T., R., M., OR BLK.	
	' FNL & 1745' FWL		٦.			AND SURVEY OR AREA	
At proposed prod. Zone	1208' FNL & 1745	FWL, Unit C				10, 21S-37E, N	. M.P.M .
14. DISTANCE IN MILES AND	DIRECTION FROM NEAREST TO					12. COUNTY FOR PARISH	13.STATE
<u></u>	± 4 miles North of	Eunice, New	Mexico			Lea	NM
15. DISTANCE FROM PROPOS	ED *		16. NO. OF ACR	ES IN LEASE	17. NO. O	ACRES ASSIGNED	
LOCATION TO NEAREST	1004				то тн	IS WELL	
PROPERTY OR LEASE LIN (Also to nearest drig, unit	•	D	708	3.67		40.00	
18. DISTANCE FROM PROPOS			19. PROPOSED D	XEPTH	20. ROTAI	Y OR CABLE TOOLS	
TO NEAREST WELL, DRILL		09.2'	7,0	00'		Rotary	
OR APPLIED FOR, ON THIS 21. ELEVATIONS (Show whet					22	PROX. DATE WORK WILL STA	DT *
	345	4'		, ,	44. AP	ASAP	ni
23.	PROPC						
4 <i>J</i> .		DSED CASING ANI	D CEMENTING	PROGRAM			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER		PROGRAM SETTING DEPTH		QUANITTY OF CEME	NT
			R FOOT		480	QUANTITY OF CEME	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER	R FOOT	SETTING DEPTH		····	te to surf
SIZE OF HOLE	GRADE, SIZE OF CASING 8 5/8"	WEIGHT PER	R FOOT	setting depth 1365'	87() sx PBCZ-Circula	te to surf C"
SIZE OF HOLE	GRADE, SIZE OF CASING 85/8" $5\frac{1}{2}"$ on of Program: Dri C	WEIGHT PER 24# 17# Iling – Sixteen ompletion - T gram	n (16) days wenty (20)	setting depth 1365' 7000'	87() sx PBCZ-Circula) sxs Hal. Interfill ' 55 sxs 50/50 Pozm	te to surf C"
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EXHIBIT "A" NEDU #415

DRILLING PROGRAM

I. The geological surface formation is recent Permian with quaternary alluvium and other surficial deposits.

Estimated Tops of Geologica	al Markers:	
FORMATION	DEPTH	SUBSEA
Quaternary alluvials	Surface	
Rustler	1365'	2111'
Yates	2775'	701'
Seven Rivers	3025'	451'
San Andres	4200'	-724'
Glorieta	5468'	-1992'
Paddock	5550'	-2074'
Blinebry	5600'	-2124'
Tubb	6130'	-2654'
Drinkard	6470'	-2994'
TD	7000'	-3524'

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III. Estimated depths at which water, oil, gas, or other mineral-bearing formations are expected to be encountered:

SUBSTANCE	DEPTH
Oil	Blinebry at 5600'
	Tubb at 6130'
	Drinkard at 6470'
Gas	None anticipated

Water

None anticipated

All fresh water and prospectively valuable minerals (as described by BLM) encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows within zones of correlative rights will be tested to determine commercial potential.

IV. A. Proposed Casing Program:

 HOLE SIZE	CASING SIZE	GRADE	<u>WEIGHT</u> PER FOOT	DEP TH
12 ¼"	8 5/8"	K-55 STC	24#	1365'
7 7/8"	5 ½ ^m	K-55 LTC	17#	7000'

- B. Proposed Cement Program: See pages 3 through 9
- V. Proposed Mud Program: See pages 3 through 9
- VI. Proposed Control Equipment: Will install on the 8 5/8" surface casing a 10" Series 900 Type "E" Shaffer Double Hydraulic BOP and will test before drilling in the Queen formation. BOP working pressure: 3000 psi. See Exhibit "H" for BOP layout.
- VII. Auxiliary Equipment: Blowout preventor, gas detector, kelly cock, pit level monitor, flow sensors, and stabbing valve.
- VIII A. Testing Program: Drill Stem Tests: None planned B. Logging Program

D .	Dogene i rogram.	
	GR-DLL-MSFL-Cal	TD-2300'
	GR-CNL-CDL-Cal	TD - Surface
С.	Coring Program:	
	None planned	

IX. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered, however, the proposed mud program will be modified to increase the mud-weight. The estimated maximum bottom hole pressure is 1980 psi.

JOB AT A GLANCE

Depth (TVD)	1,365 ft		
Depth (MD)	1,365 ft		
Hole Size	11 in		
Casing Size/Weight :	8 5/8 in, 24 lbs/ft		
Pump Via	Casing 8 5/8" O.D. (8.097" .I.D) 24 #		
Total Mix Water Required	4 ,064 gals		
Lead Slurry			
Class C + 6% Gel	275 sacks		
Density	12.8 ppg		
Yield	2.06 cf/sack		
Tail Slurry			
Class C + additives	105 sacks		
Density	13.5 ppg		
Yield	1.69 cf/sack		
Displacement			
Fresh Water	84 bbls		
Density	8.3 ppg		

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D.	DEPTH(ft)		
(in)	MEASURED	TRUE VERTICAL	
15.376 CASING	40	40	
11.000 HOLE	1,365	1,365	

SUSPENDED PIPES

DIAMET	ER (in)	WEIGHT	DEI	PTH(ft)
Ó.D.	I.D.	(lbs/ft)	MEASURED	TRUE VERTICAL
8.625	8.097	24	1,385	1,365

Float Collar set @	1,325 ft
Mud Density	8.40 ppg
Est. Static Temp.	88 * F
Est. Circ. Temp.	83 * F

VOLUME CALCULATIONS

40 ft	×	0.8837 cf/ft	with	0 % excess	=	35.3 cf
685 ft	x	0.2542 cf/ft	with	188 % excess	=	500.9 cf
640 ft	X	0.2542 cf/ft	with	0 % excess	I	162.7 cf
40 ft	X	0.3576 cf/ft	with	0 % excess	2	14.3 cf (inside pipe)
			TOTAL	SLURRY VOLUME	=	713.2 cf
					=	127 bbls

FLUID SPECIFICATIONS

FLUID	VOLUME CU-FT		VOLUME FACTOR	A	
Lead Slurry	536	1	2.06	Sta Ibs.	5 sacks Class C Cement + 0.005 lbs/sack tic Free + 2% bwoc Calcium Chloride + 0.25 /sack Cello Flake + 0.005 gps FP-6L + 6% oc Bentonite + 101% Fresh Water
Tail Siurry	177	1	1.69	Sta Ibs/	sacks Class C Cement + 0.005 lbs/sack tic Free + 2% bwoc Calcium Chloride + 0.25 sack Cello Flake + 0.005 gps FP-6L + 8% Fresh Water
Displacement				84.4	bbls Fresh Water @ 8.34 ppg
CEMENT PROPERTIE	S				G PPg
				.URRY 10. 1	SLURRY NO. 2
Slurry Weight (ppg)			1	2.80	13.50
Slurry Yield (cf/sack)				2.06	1.69
Amount of Mix Water (gp	•		1	1.39	8.88
Amount of Mix Fluid (gps				1.39	8.88
Estimated Pumping Time	- 70 BC (H	H:I	MM) :	3:30	3:00
COMPRESSIVE STREM 12 hrs @ 83 * F (psi 24 hrs @ 83 * F (psi 72 hrs @ 83 * F (psi)				

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Proposal No: 128850946F

JOB AT A GLANCE

Death (T)(D)	
Depth (TVD)	7,000 A
Depth (MD)	7,000 f
Hole Size	7.875 in
Casing Size/Weight :	5 1/2 in, 17 lbs/ft
Pump Via	Casing 5 1/2" O.D. (4.892" .I.D) 17 #
Total Mix Water Required	15,556 gals
Lead Slurry	
35:65:8 (Poz:C:Gel) + Sait	870 sacks
Density	11.8 ppg
Yield	2.54 cf/sack
Tail Slurry	
50:50:2 Class C	455 sacks
Density	14.2 ppg
Yield	1.30 cf/sack
Displacement	
Fresh Water	156 bbls
Density	8.3 ppg

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D.	DEPTH(ft)		
(in)	MEASURED	TRUE VERTICAL	
8.097 CASING	1,365	1,365	
7.875 HOLE	7,000	7,000	

SUSPENDED PIPES

DIAMET	ER (in)	WEIGHT	DEPTH(ft)		
O.D.	I.D.	(lbs/ft)	MEASURED	TRUE VERTICAL	
5.500	4.892	17	7,000	7,000	

Float Collar set 🙋	6,720 ft
Mud Density	10.00 ppg
Est. Static Temp.	121 * F
Est. Circ. Temp.	114 ° F

VOLUME CALCULATIONS

1,365 ft	x	0.1926 cf/ft	with	0 % excess	=	262.9 cf
3,635 ft	x	0.1733 cf/ft	with	209 % excess	=	1943.2 cf
1,800 ft	x	0.1733 cf/ft	with	86 % excess	z	579.0 cf
80 ft	x	0.1305 cf/ft	with	0 % excess	=	10.4 cf (inside pipe)
			TOTAL	SLURRY VOLUME	=	2795.5 cf
					=	498 bbls

FLUID SPECIFICATIONS

FLUID	VOLUME CU-FT	-	VOLUN FACTO			D TYPE OF CEMENT
Lead Slurry	2206	1	2.54	Ce Ibs	ment + 5% by /sack Cello Fi	5) Poz (Fly Ash):Class C wow Sodium Chloride + 0.25 ake + 0.005 gps FP-8L + 8% + 141.8% Fresh Water
Tail Slurry	589	1	1.3	Ce Ibs/	ment + 5% by /sack Cello Fl	0) Poz (Fly Ash):Class C vow Sodium Chloride + 0.25 ake + 0.005 gps FP-6L + 2% + 58.5% Fresh Water
Displacement				156	2 bbls Fresh	Water @ 8.34 ppg
CEMENT PROPERTIE	S					G or of bba
	,			SLURRY NO. 1	SLURRY NO. 2	
Slurry Weight (ppg)				11.80	14.20	
Slurry Yield (cf/sack)				2.54	1.30	
Amount of Mix Water (gp	•			14.80	5.90	
Amount of Mix Fluid (gps	•			14.80	5.90	
Estimated Pumping Time				3:30	3:30	
Free Water (mls) @ 114 Fluid Loss (cc/30min)	•	an	gle	1.0	0.8	
at 1000 psi and 114	•F			750.0	850.0	
COMPRESSIVE STREM	IGTH					
12 hrs @ 114 * F (p:				200	800	
24 hrs @ 114 * F (ps				350	1500	
72 hrs @ 114 * F (ps	si)			500	2000	

PRODUCT DESCRIPTIONS

Bentonite

Commonly called gel, it is a clay material used as a cement extender and to control excessive free water.

Calcium Chloride

A powdered, flaked or pelletized material used to decrease thickening time and increase the rate of strength development.

Cello Flake

Graded (3/8 to 3/4 inch) cellophane flakes used as a lost circulation material.

Class C Cement

Intended for use from surface to 6000 ft., and for conditions requiring high early strength and/or sulfate resistance.

FP-6L

A clear liquid that decreases foaming in slumes during mixing.

Poz (Fly Ash)

A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement.

Sodium Chloride

At low concentrations, it is used an accelerator for cement slurries. At high concentrations, it is used for formation compatiablity.

Static Free

An anti-static additive for resin coated proppants used to prevent air entrainment due to aggiomerated particles.

EXHIBIT "B" NEDU #415

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

Hydrogen Sulfide Training

I.

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- 1. The hazards and characteristics of hydrogen sulfide (H_2S) .
- 2. The proper use and maintenance of personal protective equipment and life support systems.
- 3. The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
- 4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

- 1. The effects of H₂S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- 2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- 3. The contents and requirements of the H₂S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H_2S zone (within 3 days or 500 feet) and weekly H_2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H_2S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

II. <u>H₂S Safety Equipment and Systems</u>

- Note: All H_2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating, the first zone containing, or reasonably expected to contain, H_2S .
- 1. Well Control Equipment:
 - A. Flare line with electronic igniter or continuous pilot.
 - B. Choke manifold with a minimum of one remote choke.
 - C. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
 - D. Auxiliary equipment to include annular preventer, mud-gas separator, rotating head, and flare gun with flares.
- 2. Protective equipment for essential personnel:
 - A. Mark II Surviveair 30-minute units located in the dog house and at briefing areas.

1

- 3. H₂S detection and monitoring equipment:
 - A. Two portable H₂S monitors positioned on location for best coverage and response. These units have warning lights and audible sirens when H₂S levels of 20 ppm are reached.
 - B. One portable S02 monitor positioned near flare line.
- 4. Visual warning systems:
 - A. Wind direction indicators.
 - B. Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used when appropriate.
- 5. Mud program:
 - A. The mud program has been designed to minimize the volume of H₂S circulated to the surface. Proper mud weight, safe drilling practices, and the use of H₂S scavengers will minimize hazards when penetrating H₂S-bearing zones.
 - B. A mud-gas separator and an H_2S gas buster will be utilized.
- 6. Metallurgy:
 - A. All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H₂S service.
 - B. All elastomers used for packing and seals shall be H₂S trim.
- 7. Communication:
 - A. Radio communications in company vehicles including cellular telephone and 2way radio.
 - B. Land Line (telephone) communications at field office.
- 8. Well testing:
 - A. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity which are necessary to safely and adequately conduct the test. The drill stem testing will be conducted during daylight hours, and formation fluids will not be flowed to the surface. All drill stem testing operations conducted in an H₂S environment will use the closed chamber method of testing.

EXHIBIT "C"

SURFACE USE AND OPERATIONS PLAN

CULTURAL RESOURCES SURVEY

APPROXIMATE REHABILITATION SCHEDULE

.

LOCALITY: NEDU #415

LOCATION: NE¼NW¼ OF SECTION 10, T21S-R37E, N.M.P.M. LEA COUNTY, NEW MEXICO

OPERATOR: APACHE CORPORATION

SUBMITTED TO:

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

ROSWELL DISTRICT OFFICE

2909 WEST 2ND STREET

ROSWELL, NEW MEXICO 88201

TELEPHONE (505) 627-0272

This plan is submitted to provide permitting agencies with information necessary to allow an appraisal of the environmental effects associated with the proposed drilling operations. Within the context of typical drilling operations, this plan provides for protection of surface resources and other environmental components. This plan has been developed in conformity with the United States Geological Survey NTL-6 guidelines, Bureau of Land Management Oil and Gas Order No. 1, and in connection and consultation with the private surface owner of record, if other than the United States of America, as well as the Roswell District Office for the Bureau of Land Management and the United States Department of the Interior personnel.

PART #1:

1)

- Surface Location: NE¹/₄NW¹/₄ of Section 10, Township 21 South, Range 37 East, N.M.P.M. Lea County, New Mexico 1208' FNL & 1745' FWL, Unit C See attached Exhibits "D" and "E"
- <u>Bottom Hole Location:</u> NE¹/₄NW¹/₄ of Section 10, Township 21 South, Range 37 East, N.M.P.M. Lea County, New Mexico 1208' FNL & 1745' FWL, Unit C See attached Exhibits "D" and "E"
- 3) Leases Issued: NM-2512
- 4) <u>Record Lessee:</u>

Conoco, Inc. 25% Amoco Production Company 25% Atlantic Richfield Company 25% Chevron U.S.A. Inc. 25%

5) <u>Acres in Lease:</u>

Section 3: Lots 1, 2, 3, 4, 7, 8, 12, 15, 16, N¹/₂SE¹/₄, SE¹/₄SE¹/₄ Section 4: Lot 1 Section 10: E¹/₂NW¹/₄, NW¹/₄NE¹/₄, S¹/₂NE¹/₄

Total Acres: 708.67

6) Acres Dedicated to Well:

There are 40.0000 acres dedicated to this well which takes the NE¹/₄NW¹/₄ of Section 10, Township 21 South, Range 37 East, N.M.P.M., Lea County, New Mexico.

PART #2:

1) Existing Roads:

Exhibit "E" comprises 2 maps showing the proposed well site in relation to existing roads and State Highway 18 (Loop). The well is ± 4 miles North of Eunice, New Mexico. From Eunice, go north approximately 4.25 miles on State Highway Loop 18. Turn east on existing lease road and go approximately 150' to location. Access is highlighted on Exhibit "E-2".

2) <u>Planned Access:</u>

A. <u>Length and Width:</u> No new access road will be necessary as the existing lease/access road crosses the well site.

Application for a buried pipeline will be made if it becomes necessary.

- B. <u>Construction</u>: The existing roads will be lightly graded and topped with compacted caliche as needed.
- C. <u>Turnouts:</u> None required.
- D. <u>Culverts:</u> None required.
- E. <u>Cuts and Fills:</u> As needed.
- F. Gates and Cattleguards: None required.

3) Location of Existing Wells:

Exhibit "F" shows existing wells within a 1-mile radius of the proposed well.

- 4) Location of Existing and/or Proposed Facilities:
 - A. There are production facilities within the area of the Northeast Drinkard Unit.
 - B. If the oil well proves to be commercial, any necessary production facilities will be installed on the drilling pad, and flow lines will be installed along the proposed and existing roads to the production facilities and storage tanks.
- 5) Location and Type of Water Supply:

Apache Corporation plans to drill the proposed well with fresh and brine water which will be obtained from commercial sources. The water will be transported over proposed and existing access roads.

6) <u>Source of Construction Materials:</u>

Caliche for surfacing access roads and the wellsite pad will be obtained from the location itself or from BLM pits in the area.

- 7) Method of Handling Waste Material:
 - A. Drill cuttings will be disposed of in the reserve pits.
 - B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
 - C. All pits will be fenced with normal fencing materials to prevent livestock from entering the area.
 - D. Water produced during operations will be collected in tanks until hauled to an approved disposal system.
 - E. Oil produced during operation will be stored in tanks until sold.

- F. Apache Corporation will comply with current laws and regulations pertaining to the disposal of human waste.
- G. All waste materials will be contained to prevent scattering by the wind and will be removed from the well site within 30 days after drilling and/or completion operations are finished.
- 8) <u>Ancillary Facilities:</u> None planned.
- 9) <u>Well Site Layout:</u>
 - A. Exhibit "G" shows the relative location and dimensions of the well pad, reserve pits, and major rig components. The pad and pit area have been staked and flagged.
 - B. Mat Size: 125' x 235' including reserve pits as shown on Exhibit "G".
 - C. Cut & Fill: Only minor leveling of the drilling site is anticipated.
 - D. The surface will be topped with compacted caliche and the reserve pits will be plastic lined.
- 10) <u>Plans for Restoration of the Surface:</u>
 - 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 cleaned of all trash and junk to leave the well site in as aesthetically pleasing a condition as possible.
 - B. Any unguarded pits containing fluids will be fenced until they are filled.
 - C. If the proposed well is non-productive, Apache Corporation will comply with all rehabilitation and/or vegetation requirements of the Bureau of Land Management, and such rehabilitation will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment.

11) Other Information:

- A. <u>Topography:</u> The wellsite and access road are located in the Querecho Plains and are relatively flat.
- B. <u>Soil:</u> The proposed location, access road and production facilites consist of sandy soil. Slope in the proposed area ranges from zer (0) to five (5) degrees.
- C. <u>Flora and Fauna:</u> Vegetation is one of a grassland environment and a scrub-grass, scrub disclimax community. The wildlife consists of rabbits, coyotes, rattlesnakes, lizards, dove, quail and other wildlife typical of the semi-arid desert land.
- D. <u>Ponds and Streams</u>: There are no ponds, lakes, streams or feeder creeks in the immediate area.
- E. <u>Residences and Other Structures:</u> There are no occupied residences or other structures on or near the proposed location.
- F. Land Use: The land is used for grazing cattle.
- G. <u>Surface Ownership</u>: The surface is owned by Robert McCasland, P. O. Box 206, Eunice, New Mexico 88231, 505-394-2553. <u>A surface damage agreement is being negotiated for</u> <u>this tract</u>.

H. Archaeological, Historical, and Other Cultural Sites:

Desert West Archaeological Services will be conducting an archaeological survey of the proposed NEDU #415 well which covers the drilling location, production facilities, and access road, including a corridor along said access road for power and flow lines. Their report will be filed under separate cover.

I. <u>Operator's Representative:</u> Dennis Bickford Apache Corporation 2000 Post Oak Blvd., Suite 100 Houston, Texas 77056 (713) 296-7121 FAX: (713) 296-7207

CERTIFICATION

I hereby certify that Apache Corporation has inspected the proposed drillsite and access route: that I am familiar with the conditions which presently exist; that the statements made in the 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 Apache Corporation 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.

Anes Donikas

Bonita L. L. Jones, RLP, Consulting Landman J. O. Easley, Inc., Agent for Apache Corporation P. O. Box 2691 Roswell, New Mexico 88202-2691 (505) 625-8807 FAX (505) 625-8827

Date: 7-10-99

State of New Mexico

DISTRICT I P.O. Box 1980, Hobbs, NM 86241-1980

DISTRICT II P.O. Drawer DD. Artesia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Ed., Aztec, NM 87410

DISTRICT IV P.O. BOX 2068, SANTA PE, N.M. 87504-2068 Energy, Minerais and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

E. **IIBIT "D-1"**

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

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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)ISTRICT I *.0. Box 1960, Hobbs, NH 66241-1960

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NSTRICT III 000 Rio Brazos Rd., Aztec, NM 87410

 State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Foe Lease - 3 Copies

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

□ AMENDED REPORT

EXHIBIT "D-2"

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name 30-25-34661 22900 Eunice; Blinebry-Tubb-Drinkard, North **Property** Code **Property** Name Well Number 22503 NEDU 415 OGRED No. **Operator** Name Elevation 873 APACHE CORPORATION 3454' Surface Location UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County С 10 21 S 37 E 1208 NORTH 1745 WEST LEA Bottom Hole Location If Different From Surface UL or lot No. Section Lot Idn Township Range leet from the North/South line Feet from the East/West line County Dedicated Acres Joint or Infill Consolidation Code Order No. 40 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. N.E.D.U. #401 0--909.2, N.E.D.U. #41_ -1013.4'-- 1745' ,210 Everett Ouzts . 10 Printed Name 3455.4' 3453.4 Eng. Tech. C Title N.E.D.U. #404 N.E.D.U. #402 6/28/99 3455.2 3453.0 Date DETAIL SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of ectual surveys made by me or under my N.M. STATE PLANE COORDINATE EAST ZONE NAD 27 supervisons and that the same is true and correct to the best of my bellef. Date Surveyed MEL Profession Y - 546624.15 X - 863796.90 KJG R: 12641 ĝ ž5/99 inny. 299--1+-05 Certificate Not Ronald J. EDSON GARY EDSON 3239 1264:

VICINITY MAP



SCALE: 1" = 2 MILES

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DESCRIPTION 1208' FNL & 1745' FWL							
ELEVATION 3442'							
OPERATOR APACHE CORPORATION							
LEASE N.E.D.U.							

JOHN WEST SURVEYING CO. HOBBS, NEW MEXICO (505) 393-3117

LOCATION VERIFICATION MAP



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