Form 3160-3 (August 1999)	! ~	UNITED STAT	TES	÷	Expires Novemb	04-0136	
		ARTMENT OF THE REAU OF LAND MAI	E INTERIOR		5. Lease Serial No. NM-2512		
			DRILL OR REENTER	526	6. If Indian, Allottee or	Tribe Name	
la Type of Work:	DRILL		7. If Unit or CA Agreem				
1b Type of Well:	Oil Well	Gas Well 🔲 Other	Single Zone	Multiple Zone	٤. Lease Name and Well Hawk B-3 #25		
2 Name of Operat					9. API Well No.		
Apache Corpo 3a Address	oration		3b. Phone No. (include area	code)	30-025-35227		
Jo Bonnie Jones	, P.O. Box 8309, I	Roswell, NM 88202	505-624-9799		Hare; San Andres	-	
	II (Report location cle DO' FSL, 467' FWL		sith any State requirements. *)		11. Sec., T., R., M., or Bl	k. and Survey or Area	
At proposed pro	od. zone 4600' FSL.	467' FWL, Lot 12	-		Sec. 3, T21S-R37E	, NMPM	
		earest town or post office			12. County or Parish	13. State	
Appro 15. Distance from pr		north of Eunice, NM			Lca	NM	
location to neare property or lease	st	467'	16. No. of Acres in lease 708.67		cing Unit dedicated to this well	I	
18. Distance from pro		40/	19. Proposed Depth		40 A/BIA Bond No. on file		
to nearest well, d applied for, on th	rilling, completed. is lease, ft.		4.4501				
21 Elevations (Sho		298'	4,450' 22. Approximate date worl	····	23. Estimated duration		
3,468'	w whether br , Ribb.		ASAP	_	7 days drilling		
The following, complete . Well plat certified 2. A Drilling Plan. 3. A Surface Use Pla	eted in accordance wi by a registered surve an (if the location is	ith the requirements of Or yor. on National Forest Syst	ASAP 24. Attachments and Gas Order No.1, sha 4. Bond to c Item 20 a 5. Operator	over the operation above). certification.	this form: ons unless covered by an exis	sting bond on file (see	
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EXHIBIT "A" HAWK B-3 #25 DRILLING PROGRAM

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

Estimated Tops of Geological Markers:	-
FORMATION	<u>DEPTH</u>
Quaternary alluvials	Surface
Yates	2600'
Grayburg	3800'
San Andres	4000'
TD	4450'

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

<u>SUBSTANCE</u>	DEPTH
Oil	Grayburg at 3800'
	San Andres at 4000'
Gas	None anticipated
Fresh Water	None anticipated
and a second	

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.

Proposed Casing Program: IV. Α.

-	A	<u> </u>			
_	HOLE SIZE	CASING SIZE	GRADE	WEIGHT PER FOOT	DEPTH
	12 1/4"	8 5/8"	J55 STC	24#	1.200'
	7 7/8"	5 1/2"	J55 STC	17#	4.450'
B.	Proposed C	ement Program: See	e pages 2 through	9	

Proposed Cement Program: See pages 2 through 9

V. Proposed Mud Program: See pages 2 through 9

Proposed Control Equipment: VI.

Will install on the 8 5/8" surface casing an 11" x 3000 PSI shafter, Double hydrolic BOP and will test before drilling out of surface casing. See Exhibit "H" for BOP layout.

VII. Auxiliary Equipment:

II.

11" x 3000 psi double BOP/blind & pipe ram

11" x 3000 psi Kelly Lock

11" x 3000 psi mud cross - H₂S detector or production hole

TIW type safety valve 4" choke line from BOP to manifold

2" adjustable chokes - 1.4 blowdonw line

- Testing Program: Drill Stem Tests: None planned VIII Α.
 - Logging Program: Β.
 - CNL, LDT, GR, CAL, DLL, MSFL, NGT from TD-2400'

CNL, GR from TD-Surface

Coring Program: None planned С.

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.

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JOB AT A GLANCE

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Depth (TVD)	1,200 ft
Depth (MD)	1,200 ft
Hole Size	12.25 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	5,521 gals
Lead Slurry	
35:65:6 Class C + Additives	425 sacks
Density	12.5 ppg
Yield	1.97 cf/sack
Tail Slurry	
Class C + CaCl2	150 sacks
Density	14.8 ppg
Yield	1.34 cf/sack
Displacement	
Fresh Water	74 bbls
Density	8.3 ppg

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WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D.	DEPTH(ft)				
(in)	MEASURED	TRUE VERTICAL			
12.250 HOLE	1,200	1,200			

SUSPENDED PIPES

DIAMET	ER (in)	WEIGHT	DEPTH(ft)	
O.D.	I.D.	(lbs/ft)	MEASURED	TRUE VERTICAL
8.625	8.097	24	1,200	1,200

Float Collar set @	1,160 ft
Mud Density	9.00 ppg
Mud Type	Water Based
Est. Static Temp.	88 ° F
Est. Circ. Temp.	82 ° F

VOLUME CALCULATIONS

1,018 ft	x	0.4127 cf/ft	with	99 % excess	=	835.7 cf
182 ft	x	0.4127 cf/ft	with	150 % excess	=	187.4 cf
40 ft	x	0.3576 cf/ft	with	0 % excess	=	14.3 cf (ir⊧side pipe)
			TOTAL	SLURRY VOLUME	=	1037.4 cf
					=	185 bbls

This proposal is the single well pricing for the proposed well package for the Livingston wells noted below. Taget formation for this package is the San Andres formation

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FLUID SPECIFICATIONS

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FLUID	VOLUME CU-FT		VOLUME FACTOR	. AM	MOUNT AND TYPE OF CEMENT
Lead Slurry	836	1	1.97	Cer bs/	5 sacks (35:65) Poz (Fly Ash):Class C ment + 2% bwoc Calcium Chloride + 0.25 s/sack Cello Flake + 0.003 gps FP-6L + 6% foc Bentonite + 103% Fresh Water
Tail Slurry	202	1	1.34		0 sacks Class C Cement + 2% bwoc Calcium loride + 56.4% Fresh Water
Displacement				73.9	9 bbls Fresh Water @ 8.33 ppg
CEMENT PROPERTIE	S				
			-	LURRY NO. 1	SLURRY NO. 2
Slurry Weight (ppg)				12.50	14.80
Slurry Yield (cf/sack)				1.97	1.34
Amount of Mix Water (gr	os)			10.75	6.36
Amount of Mix Fluid (gps	s)			10.75	6.36
Estimated Pumping Time	e - 70 BC (F	H:	MM)	4:30	2:20
Free Water (mis) @ 80	°F@90°a	ang	le		0.0
Free Water (mls) @ 80 Fluid Loss (cc/30min)	°F@45°a	ang	le	1.2	
at 1000 psi and 80 °	۶F			710.0	850.0
COMPRESSIVE STREM	NGTH				
12 hrs @ 80 ° F (psi	•			150	1600
24 hrs @ 80 ° F (psi				400	2350
72 hrs @ 80 ° F (psi)			700	3000

All slurries will be tested prior to loading to confirm thickening times and a lab report furnished to Apache. Fluid loss will be tested and reported on slurries with fluid loss additives. Lab test report will be furnished prior to pumping cement.

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JOB AT A GLANCE

Depth (TVD)	4,450 ft
Depth (MD)	4,450 ft
Hole Size	7.875 in
Casing Size/Weight :	5 1/2in, 15.5 lbs/ft
Pump Via	Casing 5 1/2" O.D. (4.950" .I.D) 15.5 #
Total Mix Water Required	6,192 gais
Lead Slurry	
35:65:6 Class C	476 sacks
Density	12.7 ppg
Yield	1.93 cf/sack
Tail Slurry	
Class C + Fluid Loss	200 sacks
Density	14.8 ppg
Yield	1.35 cf/sack
Displacement	
Fresh Water	105 bbls
Density	8.3 ppg

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WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D.	DEPTH(ft)			
(in)	MEASURED	TRUE VERTICAL		
8.097 CASING	1,200	1,200		
7 875 HOLE	4,450	4,450		

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SUSPENDED PIPES

DIAMETI	ER (in)	WEIGHT	DEPTH(ft)	
O.D.	I.D.	(lbs/ft)	MEASURED	TRUE VERTICAL
5.500	4.950	15.5	4,450	4,450

Float Collar set @	4,410 ft
Mud Density	9.00 ppg
Mud Type	Water Based
Est. Static Temp.	109 ° F
Est. Circ. Temp.	100 ° F

VOLUME CALCULATIONS

300 ft	х	0.1926 cf/ft	with	0 % excess	=	57.8 cf
2,485 ft	х	0.1733 cf/ft	with	100 % excess	=	861.0 cf
765 ft	x	0.1733 cf/ft	with	100 % excess	=	265.2 cf
40 ft	х	0.1336 cf/ft	with	0 % excess	=	5.3 cf (inside pipe)
			TOTAL	SLURRY VOLUME	=	1189.3 cf
					=	212 bbls

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FLUID SPECIFICATIONS

FLUID	VOLUME CU-FT		VOLUM FACTO			
Lead Slurry	919	1	1.93	Cer	ment + 5 lbs FP-6L + 69	65) Poz (Fly Ash):Class C s/sack Sodium Chloride + 0.003 % bwoc Bentor⊧ite + 99% Fresh
Tail Slurry	271	I	1.35	Pot bwo	assium Chle	ss C Cement + 3% bwow oride + 0.2% bwoc CD-32 + 0.6% 0.2% bwoc Soclium Metasilicate + /ater
Displacement				105	.0 bbls Fres	sh Water @ 8.33 ppg
CEMENT PROPERTIE	ES					
				SLURRY NO. 1	SLURRY NO. 2	
Slurry Weight (ppg)				12.70	14.80	
Slurry Yield (cf/sack)				1.93	1.35	
Amount of Mix Water (g	ps)			10.33	6.38	
Amount of Mix Fluid (gp	s)			10.33	6.38	
Estimated Pumping Time	•			3:00	2:30	
Free Water (mls) @ 98	°F@90°a	ing	le	1.8	0.0	
Fluid Loss (cc/30min) at 1000 psi and 98	°F			950.0	300.0	
COMPRESSIVE STREI	NGTH					
12 hrs @ 106 ° F (p	osi)			280	1200	
24 hrs @ 106 ° F (p	,			375	1800	
72 hrs @ 106 ° F (p	si)			900	2300	

All slurries will be tested prior to loading to confirm thickening times and a lab report furnished to Apache. Fluid loss will be tested and reported on slurries with fluid loss additives. Lab test report will be furnished prior to pumping cement.

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Newpark Drilling Fluids, LLC

Drilling Fluids Recommendations

OPERATOR _____ Apache Corporation

LEGAL Sections 3, 4, & 19, T-21-S, T-37-E

WELL NAME Grayburg Prospects

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COUNTY Lea, New Mexico

	ANTICIPATED FORMATION T	290
Rustler	1.000	VI U
Yates	2 4401	
Grayburg	2,440_ft. 3,600'_ft	
San Andres	3,920' ft	
@ .	ft	
······································	ft.	

1,260' _{ft}	
2 4401	

@	ft.
@	ft
@	ft.
Ø	ft
@	ft.
@	ft
@	ft.

ANTICIPATED DRILLING PROGRAM

CASING				
SIZE	DEPTH	BIT SIZE		NUMBER DAYS
8-5/8"	1,280'	12-1/4"	1	2
5-1/2"	4,450	7-7/8"	1	4
			1	4

Total Days 6

RECOMMENDED DRILLING FLUID PROPERTIES

DEPTH	MI	JD PROPERTIES	LITER THOUSAND		
			REMARKS		
0 - 1,280'	Weight: Viacosity: Filtrate: pH:	8.6 - 9.2 ppg 32 - 35 sec/1000cc N/C 9 - 10	Spud with a conventional NewGel/Lime "spud mud". Maintain sufficient viscosity to keep the hole clean. Mix Paper as needed to control seepage loss. Use Lime to control pH.		
	1 1 2 , -		8		

Newpark Drilling Fluids, LLC

Drilling Fluids Recommendations

OPERATOR Apache Corporation

WELL NAME Grayburg Prospects

DEPTH	ML	D PROPERTIES	REMARKS
1,280' - 3,600'	Weight: Viscosity: Filtrate: pH:	10.0 - 10.1 ppg 28 - 29 sec/1000cc N/C 9 - 10	Drill out below Surface Casing with Brine. Circulate through the reserve for maximum gravitational solids removal. Make additions of Lime to maintain pH. Mix Paper as needed to control seepage loss.
3,600' - 4,450'	Weight: Viscosity: I ⁻ iitrate: pH:	10.0 - 10.2 ppg 30 - 32 sec/1000cc 10 - 15 cc/30min 9 - 10	Confine circulation to the working pits. Discontinue adding Lime. Mix Starch for filtration control; additional viscosity should not be necessary. Continue to use Paper if needed for seepage loss. Small quantities of D-76 (defoamer) may be needed while mixing Starch through the hopper. Sweep the hole with Loloss at total depth to insure the hole is clean for logging & casing operations.
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Recommended Drilling Fluid Properties (cont'd)

EXHIBIT "B" HAWK B-3 #25

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

No H₂S is anticipated.

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EXHIBIT "C"

SURFACE USE AND OPERATIONS PLAN CULTURAL RESOURCES SURVEY APPROXIMATE REHABILITATION SCHEDULE

LOCALITY: HAWK B-3 #25 OPERATOR: APACHE CORPORATION

LOCATION: LOT 12 OF SECTION 3, T21S-R37E, N.M.P.M. LEA COUNTY, NEW MEXICO

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. I, 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:

2)

- 1) <u>Surface Location:</u>
 - Lot 12 of Section 3, Township 21 South, Range 37 East, N.M.P.M. Lea County, New Mexico 4600' FSL, 467' FWL, Lot 12 See attached Exhibits "D" and "E" <u>Bottom Hole Location:</u> Lot 12 of Section 3, Township 21 South, Range 37 East, N.M.P.M. Lea County, New Mexico 4600' FSL, 467' FWL, Lot 12 See attached Exhibits "D" and "E"

- 3) Leases Issued: NM-2512
- 4) <u>Record Lessee:</u>

Apache Corporation	50%
Atlantic Richfield Company	25%
Chevron USA Inc.	25%
Acres in Lease:	
Section 3: Lots 1, 2, 3, 4, 7, 8, 12, 15,	16,
N ¹ / ₂ SE ¹ / ₄ , SE ¹ / ₄ SE ¹ / ₄	
Section 4: Lot 1	
Section 10: W ¹ / ₂ NE ¹ / ₄ , SE ¹ / ₄ NE ¹ / ₄ , E ¹ / ₂ N	W ¹ /4
To	otal Acres: 708.67

6) <u>Acres Dedicated to Well:</u>

There are 40.00 acres dedicated to this well, which takes in Lot 12 of Section 3, Township 21 South, Range 37 East, N.M.P.M., Lea County, New Mexico.

PART #2:

5)

1) <u>Existing Roads:</u>

Exhibit "E" comprises 2 maps showing the proposed well site in relation to existing roads and State Highway 18. The well is ± 5 miles north of Eunice, New Mexico. From Eunice, go north approximately 5 miles on State Highway Loop 18. Turn north on existing lease roads to location. Access is highlighted on Exhibit "E-2".

- 2) <u>Planned Access:</u>
 - A. <u>Length and Width:</u> An existing lease/access road will be used into 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. Cuts and Fills: As needed.
 - F. Gates and Cattleguards: None required.

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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, which is adjacent to the wellsite.
 - 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 Chapporal Services and will be transported by truck over proposed and existing access roads.

 6) Source of Construction Materials:

 (1) Source of Construction Materials:

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

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- 7) <u>Method of Handling Waste Material:</u>
 - 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: 195' x 240' 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 lined with 6 mil plastic.
- 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:

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- 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 facilities consist of sandy soil. Slope in the proposed area ranges from zero (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.

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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, 505-394-3022. <u>A surface damage agreement is being negotiated for</u> <u>this tract.</u>
- H. Archaeological, Historical, and Other Cultural Sites:

Archaeological Survey Consultants, of Roswell, New Mexico, will be conducting an archaeological survey of the proposed HAWK B-3 #25 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.

Bonita L. L. Jones, RLP, Consulting Landman Agent for Apache Corporation P. O. Box 8309 Roswell, New Mexico 88202-8309 (505) 624-9799 FAX (505) 624-9799 E-Mail: senoj@dfn.com

Date: <u>3-2-01</u>

DISTRICT I

P.O. Box 1980, Hobbs, MM 88841-1980

EXHIBIT "D-1" State of New Mexic

Energy, Minerals and Natural Resources Department

DISTRICT II P.O. Drawer DD, Artania, NK 80211-0719

OIL CONSERVATION DIVISION P.0. Box 2088

Santa Fe, New Mexico 87504-2088

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

DISTRICT III 1000 Rio Brazos Rd., Asteo, NM 87410

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DISTRICT IV

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P.O. BOX 2066, SANTA FE, N.M. 87604-2066	WELL LOCATION AND	ACREAGE DEDICATION PLAT	AMENDED REPORT
API Number	Pool Code	Pool Name	
30-025-35227	96601	Hare; San Andres East	
Property Code	Ртор	erty Name	Vell Number
24433	HAW	К В-З	25
OGRID No.	Oper	ator Name	Elevation
00873	APACHE C	CORPORATION	3468'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Bast/West line	County
12 L	3	21S	37E		4600	SOUTH	467	WEST	LEA

Bottom Hole Location If Different From Surface

l	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	Dedicated Acres	Joint o	1.001							
		a sound of	r manual Co	nsolidation (ode Or	der No.				
L	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

		_ <u></u>				I hereby certify the the infor contained herein is true and complete best of my knowledge and belief.
	LOT 4	LOT 3	LOT 2	LOT 1		Sen and Dr.
	37.86 AC	37.75 AC	37.63 AC	37.52 AC		Signature
	LOT 5	LOT 6				Bonita L.L. Jones, Ag
	40 AC.	40 AC.	40 AC.	40 AC.		Printed Name
			1 10 101]		for Apache Corp.
	107_12	LOT 11	L		3468.3' 3470.6'	2-19-01
PC NME VD 1927	467 40 AC.		1	1	F	Date
52415.5 62474.9		40 AC.	40 AC.	40 AC.	0 	SURVEYOR CERTIFICATIO
92474.9	SEE DETAIL	L	I I LOT 15	LOT 16	3461.0' 3470.0'	
	40 AC		40 AC.	40 AC.	DETAIL	I hereby certify that the well location on this plat was plotted from field no
		40 AC.		70 AC.		actual surveys made by ms er un
		L				supervison and that the same is tr correct to the best of my belief.
	41600	!		i i		FEBRUARY 01, 2001
	1	ł				Date Surveyed
	┣-┿	┝		<u> </u>		Signature & Seal of Professional Surveyor
						Smill Eilen 01/05/0 07-17-0161
	S	SCALE: 1"	= 2000'	•		Certificate No. BONAD J. KIDSON GARY RIDSON

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DISTRICT 1

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7.0. Bag 1988, Kobbs, WE 88541-1986

DISTRICT II P.O. Bruwer 30, Artonia, 306 88211-0719

1000 Rio Brasos Rd., Artec, NM 87410

P.O. BOX SOR, MANTA FR. H.M. SPECA-IMAN

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EXHIBIT "D-2"

State of New Mexico

Barry, Moarals and Natural Resourcess Department

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

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

DISTRICT IV

DISTRICT III

WELL LOCATION AND ACREAGE DEDICATION PLAT

□ AMENDED REPORT

APT Number	Poal Code	l'ool Name		
Property Code	Propert		Vell Number 25	
OGELD No.	Operato APACHE CO		Elevation 3468'	

Suriace	Location

UL er lot No.	Section	Township	Range	Lot ida	Feet from the	North/South line	Feet from the	East/West line	County
12	3	215	37E		4600	SOUTH	467	WEST	LEA

Bottom Hole Location If Different From Surface

UL er het No.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	r Infil) Ca	mentidation (Code Or	der No.	<u>ــــــــــــــــــــــــــــــــــــ</u>	I	1	1

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



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EXHIBIT "E-1" VICINITY MAP



SCALE: 1'' = 2 MILES

SEC. <u>3</u> TWP.<u>21--S</u> RGE.<u>37-E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>LEA</u> DESCRIPTION <u>4600'</u> FSL <u>& 467'</u> FWL ELEVATION <u>3468'</u> OPERATOR <u>APACHE CORPORATION</u> LEASE <u>HAWK B-3</u>

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

LOCATION VERIFICATION MAP

EXHIBIT "E-2"



SCALE: $1^{"} = 2000^{\circ}$

SEC. <u>3</u> TWP.<u>21--S</u> RGE.<u>37--E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>LEA</u> DESCRIPTION <u>4600' FSL & 467' FWL</u> ELEVATION <u>3468'</u> OPERATOR <u>APACHE' CORPORATION</u> LEASE <u>HAWK B-3</u> U.S.G.S. TOPOGRAPHIC MAP HOBBS SW, N.M.

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CONTOUR INTERVAL - 5'

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

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EXHIBIT "G"



Rig #5 **€**¶ **≜**9





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EXHIBIT "H-2"

3000# choke MANIfold

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EXHIBIT "H-3"

BIG DOG DRHLLING

110 NORTH MARIENPELD MIDLAND TEXAS STE-200-79701

RIG # 5

CLOSING UNIT:

MELCO 4 STATION W/ 80 GAL. SPHERICAL ACCUMALATOR 1-AIR AND 1-ELECTRIC PUMPS.

CHOKE MANIFOLD: (3000# CHOKES)

2-HAND ADJUSTABLE CHOKES 2-2" VALVES 2-4" VALVES

RIG#9

CLOSING UNIT:

MELCO 4-STATION W/ 80 GAL. SPHERICAL ACCUMALATOR 1-ELECTRIC 2-AIR PUMPS

CHOKE MANIFOLD: (3000# CHOKES).

2-HAND ADJUSTABLE CHOKES 2-2" VALVES 2-4" VALVES

