Form 3160-3

(December 1990)

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budget Bureau No. 1004-0136

Expires:	December	31,	199

SUBMIT IN TRIPLICATE				Expires: Dec	ember 31, 1991
			_	5. Lease Designation and	Serial No. LC 032650 B
,	APPLICATION FOR	PERMIT TO DRIL	L OR DEEPEN	6. If Indian, Alottee or Tr	ibe Name
1a. Type of Work 1b. Type of Well	DRILL	DEEPEN 🛛	JINGLE ZONE	7. If Unit or CA, Agreeme	ent Designation
OIL GAS WELL	OTHER HORI	ZONTAL LATERAL	JINGLE ZONE MULTIPLE ZONE	8. Well Name and Number COATES, A. BC-	er
2. Name of Operat:	TEXACO EXPLO	RAT!ON & PRODUCTI	ION INC.	15	
B. Address and Teleph	one No. 205 E. Bender, H	OBBS, NM 88240	397-0405	9. API Well No.	25 11728
I. Location of Well (Re At Surface	eport location clearly and in	accordance with any Sta		10. Field and Pool, Explor	
Unit Letter O : 60 At proposed prod. zone	60 Feet From The SC	OUTH Line and 1980	Feet From The EAST Line	11. SEC., T., R., M., or E Sec. 24. Townsh	
4. Distance In Miles and	Direction from Nearest Town	n or Post Office*		12. County or Parish LEA	13. State NEW MEXICO
	sed* Location to Nearest Pro earest drlg. unit line, if any)	perty or	16. No. of Acres in Lease	17. No. of Acres Assigned	
18. Distance fFrom Propo Completed or Applied Fo	osed Location* to Nearest Wor, On This Lease, Ft.	ell, Drilling,	19. Proposed Depth TVD 6458'	20. Rotary or Cable Tools	R
21.Elevations (Show whe	ether DF,RT, GR, etc.)	3084' KB		22. Appr	ox. Date Work Will Start*
3.	EXISTING	PROPOSED CA	SING AND CEMENT PROG	RAM	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOO	T SETTING DEPTH	QUANTIT	Y OF CEMENT
7.5"	13.375"		544'	500 SX	
7.5"			3320'	1300 SX	
	9.625"			050.00	
2.250" 8.750" EXACO INTENDS TO	7" O DRILL A SINGLE HOR	ROCEDURE IS ATTAC	HED.	: 950 SX	
12.250" 8.750" FEXACO INTENDS TO	7" O DRILL A SINGLE HOR	ROCEDURE IS ATTAC	THE ABO FORMATION. HED. ALCXISSU SUBJECT THE ABO FORMATION. HED.	et eda 02-1	Î-1999
THE OVERVIEW, ANI	O DRILL A SINGLE HORD PROPOSED WORK PI	S CAULTED	THE ABO FORMATION. HED. BY AICXIS SUBJECTION SUBJECTION BY ST	CECACOLL APPROVAL AFF and proposed new productive	re zone. If proposal is
12.250" 8.750" TEXACO INTENDS TO THE OVERVIEW, AND THE OVERVIEW AND THE	O DRILL A SINGLE HORD PROPOSED WORK PI	oposal is to deepen, give on subsurface locations	THE ABO FORMATION. HED. BY AICXISSUE SUBJECT BY ST	CECACOLL APPROVAL AFF and proposed new productive	re zone. If proposal is rogram, if any.
In Above Space Descrito drill or deepen directly SIGNATURE	o DRILL A SINGLE HORD PROPOSED WORK PI	oposal is to deepen, give on subsurface locations	THE ABO FORMATION. HED. SUBJECTION Address of the productive zone a and measured true verticle depths	PROVAL and proposed new productives. Give blowout preventer p	e zone. If proposal is rogram, if any.
In Above Space Descrito drill or deepen directly services of the local services of the l	o DRILL A SINGLE HORD PROPOSED WORK PI	oposal is to deepen, give on subsurface locations	THE ABO FORMATION. HED. SUBJECTION Address of the productive zone a and measured true verticle depths	PROVAL and proposed new productives. Give blowout preventer p	re zone. If proposal is rogram, if any.
In Above Space Descrito drill or deepen directly SIGNATURE	o DRILL A SINGLE HORD PROPOSED WORK PI	oposal is to deepen, give on subsurface locations	THE ABO FORMATION. HED. SUBJECTION Address of the productive zone a and measured true verticle depths	PROVAL and proposed new productives. Give blowout preventer p	re zone. If proposal is rogram, if any.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

OVERVIEW

The A. B. Coates "C" # 15 well was drilled in early 1963 as a conventional test of the Ellenburger formation. The well initially produced from Ellenburger perforations 8000'-8024'. This interval was abandoned in 1966 and the Montoya formation was perforated from 6803'-6848', 6864'-6876' and 6943'-6966'. The Montoya interval was abandoned in 1996 with a CIBP set at 6660' and 35' of cement located on top of the plug (PBTD 6625'). The Abo formation was perforated from 6193'-6202', 6213'-6219', 6225'-6233', 6243'-6255', 6260'-6263', 6275'-6283', 6299'-6301', 6305'-6307', 6312'-6316', 6395'-6400', 6405'-6408', 6413'-6415', 6421'-6430', 6452'-6460', 6464'-6473', 6480'-6484', 6489'-6492', 6498'-6506', 6521'-6524', 6531'-6534'and 6538'-6543'. The Abo was acid-frac'd and potentialed for 0 BOPD, 13 BWPD and 650 MCFD. Successful horizontal laterals have been drilled to the north in the Drinkard formation at the West Dollarhide Drinkard Unit. It is proposed to employ this technology on the subject well and drill single +/- 1400 foot horizontal lateral (azimuth 64 degrees) in the Abo formation. A second lateral could follow if the initial lateral is successful. The basic well plan is as follows:

- a) Kill well (7" x 9-5/8" casing is currently holding 150 psi verified by K. Locklar). TOOH with the 2-3/8" tubing and packer. Cement squeeze Upper Abo perforations 6193'-6316'. Drill out the cement retainer and cement to +/- 6302'. Pressure test cement squeeze to 1000 psi.
- b) TIH with a 3 degree bottom set whipstock (top of window +/- 6292', bottom of window +/- 6299').
- c) Drill a short radius curve using a 4-3/4" bit to a measured depth of +/- 6471' (TVD +/- 6423'). The final angle will be 78.3 degrees from vertical.
- d) Drill +/- 1400' horizontal section (azimuth 64 degrees).
- e) Acid frac the horizontal lateral in the well. Place well on pump.

LOST IN HOLE INSURANCE FOR THE DOWNHOLE MOTOR AND MWD IS INCLUDED WITH THE DAILY RATE FROM SCIENTIFIC DRILLING.

PROPOSED WORK

PRODUCTION HOLE:

- 1. TOOH with the following production equipment; 195 joints of 2-3/8" J-55 tubing (6112'), 2-3/8" X 2-7/8" crossover, 7" Arrowset packer, 2-7/8" X 2-3/8" crossover and 15 joints of 2-3/8" fiberglass tubing (437'). TIH with a 7" casing scrapper and tag PBTD at +/- 6625'. TOOH. TIH with a CIBP and set at +/- 6325'. TOOH. TIH with a cement retainer and set at +/- 6175'. Establish an injection rate. Cement squeeze Abo perforations 6193'-6316" with 100 sacks of Class "H" cement containing 0.3% D156 fluid loss, and 0.4% D65 dispersant followed by 100 sacks Class "H" neat (15.6 ppg). Pump at less than 2 BPM, slowing to ½ BPM at the end of the job (no hesitation). TOOH. TIH with a 6-1/4" bit and drill out the cement retainer and cement to +/- 6302'. Pressure test the squeeze to 1000 psi. TOOH. TIH with a Smith 3 degree bottom set retrievable whipstock, starting mill, orienting sub and drill pipe. Stop at a point 5-10' above the CIBP, reciprocate pipe and rig up a wireline to run the gyro. Take a gyro reading and determine the direction of the whipstock face. Rotate the pipe as needed to achieve the required direction. Reciprocate and lower the pipe to within one foot of the CIBP and take another gyro reading. Rotate pipe again if needed to achieve the required direction (64 degrees). This step may need to be repeated several times until confidant the whipstock is oriented in the correct direction.
- 2. Lower drill pipe to set the whipstock. The weight indicator will jump indicating lower plunger shear pin is sheared and the whipstock is set. Continue setting down to shear the starting mill bolt. The weight indicator will jump again indicating the bolt is sheared. Commence milling operations.
- 3. Pick up the power swivel and begin circulating. Pick up drill pipe until starting mill has cleared the whipstock and start rotation. Lower the drill pipe slowly until the torque gauge suggest the starting mill is contacting the casing. Adjust weight and speed until satisfied with the penetration rate. Mill to a predetermined depth that will assure the setting lug is completely removed and a cutout in the casing has been initiated. TOOH.
- 4. TIH with the metal muncher window mill, string mill and the watermellon mill. Resume milling operations and mill until the complete assembly has cleared the casing. Pick up and lower the string several times without rotation to assure a good clean window has been obtained. Circulate the hole clean. TOOH.
- 5. Inspect the mill on the surface. If extreme wear is evident, consideration should be given to repeating the above step.

HORIZONTAL PRODUCTION HOLE:

- 1. Rig up Scientific Drilling. Adjust plan to target as necessary. Trip in the hole with Scientific Drilling's curve building assembly. This will be a 4-3/4" insert, 3-3/4" PDM, float sub/orienter combo, 2-flexable monel collars and 2-7/8" AOH drill pipe.
- 2. Build curve to estimated target depths and angles as follows:

True Vertical Depth	6423'
Measured Depth	6471'
Final Angle	
Target Azimuth	
Build Rate	

Drill the curve sliding as necessary to stay on target. It is recommended that after each slide, the bit be pulled back and washed through the slide. Once the curve is built, rotate through the curve section noting tight spots and fill. Make at least one short trip prior to tripping out of the hole.

- 3. Trip in the hole with Scientific Drilling's lateral assembly. This will be a 4-3/4" insert or PDC bit (R382G), 3-3/4" articulated motor, float sub/orienting combo, 2 flexible monel collars and 2-7/8" AOH drill pipe.
- 4. Drill +/- 1400' of horizontal hole per the attached Scientific Drilling well plan.
- 5. Continue drilling the horizontal section per the Texaco Engineer recommendations.
- 6. Trip out of the hole with the drilling assembly. TIH with drill pipe and set a retrievable bridge plug for 7", 23 #/ft casing at +/- 6000'. Test plug to 1000 psi.
- 7. Lay down the drill pipe. Nipple down the BOP stack. Install a manual 3000 psig BOP equipped with blind rams and 2-7/8" pipe rams. Release the rig. Rig down and move out rotary tools.

COMPLETION PROCEDURE:

- 1. Back drag the location and set pulling unit anchors.
- 2. Move in and rig up a pulling unit.
- 3. Trip in the hole with a retrieving head on 2-7/8" tubing. Retrieve the plug. Trip out of the hole and lay down the plug. TIH with tubing and ported subs to within 300 foot of the end of the lateral. Use a bent joint to orient into the lateral.
- 4. Rig up Dowell. Acid frac the horizontal lateral with 85,000 gallons of 15% HCL and gelled water spacers. The acid frac will be done down tubing using ported subs.
- 5. Flow back immediately. Flow/swab test.
- 6. Place on pump.

Scientific Drilling **Planning Report**

Company: Texaco E & P, Inc. Date: 12/14/98 --Time: 16:06:58 Page: Field: Justis Abo Co-ordinate(NE) Reference: Site: Lea County, New Mexico, True North Site: Lea County, New Mexico Vertical (TVD) Reference: SITE 0.0 above Mean See Level A: B. Coates C. #15 Well: Section (VS) Reference: Site (0 DE, 0.0N, 64, 3Azi) Wellpath: NE Lower Lateral Plan #1

Field: Justis Abo Local Coordinate Reference: Site Centre Location of Field Centre: N/A

Field Centre Map Easting: m Field Centre Map Northing: m Map Projection & Zone: US State Plane Coordinate System 1927 Direction of Local North: True

Texas, Central Zone Ellipsoid: Clarke - 1866 Local Vertical Reference: Wellpath Datum

Field Datum: Mean Sea Level

Geomagnetic Model: IGRF95

Site: Lea County, New Mexico

Site Centre: m E Latitude m N Longitude

Site Water Depth: 0.0 ft

Magnetic Declination: 0.00 deg Grid Convergence: 0.00 deg

Measured Depths Referenced To: SITE 0.0 ft above Mean Sea Level

Well: A. B. Coates "C" #15

660'FSL & 1980'FEL Sec 24 T25S R37E

Originating From: Map Easting: 0.00 m 0.0 ft +E/-W 0.00 m

Map Northing: Wellpath: NE Lower Lateral

0.0 ft +N/-S Origin of Vertical Section: Site Centre

0.0 ft +E/-W 64.27 deg Direction of Vertical Section:

Plan: Plan #1 Date Composed: 12/14/98 Version:

Principal: Yes Locked: No

Plan Section Information

MD f	inci deg	Azima ∷deg	TVD R_	+N/-S	+E/-W ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg _	Target	
6000.0	0.00	64.27	6000.0	0.0	0.0	0.00	0.00	0.00	0.00	and the contract of the contra	en ij i jahis mereng
6303.0	0.00	64.27	6303.0	0.0	0.0	0.00	0.00	0.00	0.00		
6470.5	78.30	64.27	6423.0	42.4	88.0	46.75	46.75	0.00	0.00		
6962.0	78.30	64.27	6522.7	251.4	521.6	0.00	0.00	0.00	0.00		
7083.8	90.07	64.27	6535.0	303.9	630.6	9.66	9.66	0.00	0.00	Target 1	
7143.8	90.07	64.27	6534.9	329.9	684.6	0.00	0.00	0.00	0.00		
7789.9	103.64	64.27	6458.0	607.8	1261.2	2.10	2.10	0.00	0.01	Target 2	

Section 1: Straight MD Part 1 Hold

MD ft	Inci deg	Azima deg	TVD ft	+IN/-S ft	+E/-W ft	vs ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
6000.0	0.00	64.27	6000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6100.0	0.00	64.27	6100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6200 .0	0.00	64.27	6200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6303.0	0.00	64.27	6303.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00



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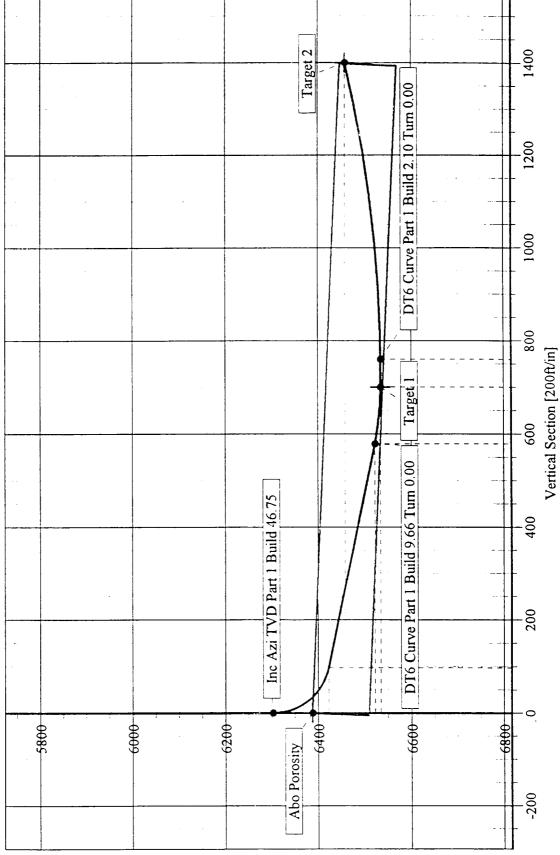
Scientific Drilling Pianning Report

Field: Site: Wellz	Texaco E de Justis Abo Lea Count A. B. Coat NE Lower	y, New Mexico			C V Š	nte: 12/14 o-ordinate(N ertical (TVD) ection (VS) R	E) Reference	e: Site: Le	.0 above M 0E,0.0N,64	een Sea Leve	Page: True Nortel	2 h
Section	2 : Inc Azi	TVD Part 1 B	uild 46.75					, , 201777	· · · · · · · · · · · · · · · · · · ·			
MD	Inci	Azles	TVD	+N/-S	+E/-W	vs	DLS	Buffd	Tern	TFO		
π	deg	deg	1.1	ft	ft	π	d/100ft	d/100ft	d/100ft	deg	in the t	
6310.0	3.27	64.27	6310.0	0.1	0.2	0.2	46.75	46.75	0.00	0.00		
6320.0	7.95	64.27	6319.9	0.5	1.1	1.2	46. <i>7</i> 5	46.75	0.00	0.00		
6330.0	12.62	64.27	6329.8	1.3	2.7	3.0	46.75	46.75	0.00	0.00		
- 6340 .0 63 50 .0	1 7.30 21.97	64.27 64.27	6339.4	2.4	5.0	5.5	46.75	46.75	0.00	0.00		
6360.0	26.65	64.27	6348.9 63 5 8.0	3.9 5.7	8.0	8.9	46.75	46.75	0.00	0.00		
6370.0	31.33	64.27	6366.7	7.8	11.7 16.1	13.0 17.9	46.75 46.75	46.75 46.75	0.00 0.00	0.00		
6380.0	36.00	64.27	6375.0	10.2	21.1	23.4	46.75	46.75	0.00	0.00		
6390.0	40.68	64.27	6382.9	12.9	26.7	29.6	46.75	46.75	0.00	0.00 0.00		
6400.0	45.35	64.27	6390.2	15.8	32.8	36.4	46.75	4€.75	0.00	0.00		
6410.0	50.03	64.27	6396 .9	19.0	39.5	43.5	46.75	46.75	0.00	0.00		
6420.0	54.70	64.27	6403.0	22.5	46.6	51.7	46.75	46.75	0.00	0.00		
6430.0	59.38	64.27	6408.5	26.1	54.2	60.1	46.75	46.75	0.00	0.00		
6440.0	64.05	64.27	6413.2	29.9	62.1	6 8.9	46.75	46.75	0.00	0.00		
6450.0	68.73	64.27	6417.2	33.9	70.3	78.1	46.75	46. <i>7</i> 5	0.00	0.00		
6460.0 6470.5	73.40 78.30	64.27 64.27	6420.4	38.0	78.9	87.5	46.75	46.75	0.00	0.00		
0470.5	70.30	04.27	6423.0	42.4	88.0	97.7	46.75	46.75	0.00	0.00		
Section	3: Straight	MD Part 1 Ho	bk									
MD ft	Inci deg	Azim deg	TVD fl	+N/-S ft	+E/-W	VS ft	DLS d/100ft	Build d/100ft	Twm d/100ft	TFO deg		
6500 .0	78.30	64.27	6429.0	55.0	114.1	126.6	0.00	0.00	0.00	180.00		
6600.0	78.30	64.27	6449.3	97.5	202.3	224.5	0.00	0.00	0.00	180.00		
6700.0	78.30	64.27	6469.5	140.0	290.5	322.5	0.00	0.00	0.00	180.00		
6800.0	78.30	64.27	6489.8	182.5	378.7	420.4	0.00	0.00	0.00	180.00		
6900.0 6962.0	78. 3 0 78.30	64.27	6510.1 ~~~~~	225.0	466.9	518.3	0.00	0.00	0.00	180.00		
0902.0	10.30	64.27	6522.7	251.4	521.6	579.0	0.00	0.00	0.00	180.00		
Section	4 : DT6 Cur	ve Part 1 Buil	d 9.66 Tu	· · · · · · · · · · · · · · · · · · ·								
MD	Isci	Azbe	TYD	+N/-S	+E/-W	YS	DLS	Build	Tem	TPO		
₩ π ≢	deg	ideg∃		in the second	1	n.	d/100ft	d/100ft	d/100ft	deg		
7000.0	81.97	64.27	6529.2	267.6	555.3	616.4	9.66	9.66	0.00	0.00		
	86.80						9.00	3.00				
7050.0		64.27	6534.1	289.2	600.1	666.2	9.66	9.66	0.00	0.00		
7083.8	90.07	64.27 64.27	6534.1 6535.0							0.00 0.00		
7083.8			6535.0	289.2	600.1	666.2	9.66	9.66	0.00			 _
7083.8 Section	5 : Straight I	64.27 MD Part 1 Ho	6535.0 eld TVD	289.2 303.9 +N/-S	600.1 630.6 +E/-W	666.2 700.0	9.66 9.66	9.66 9.66 Budd	0.00 0.00	0.00		
7083.8 Section MD	5 : Straight Incl deg	64.27 MD Part 1 Ho	65365.0 Hd	289.2 303.9	600.1 630.6	666.2 700.0	9.66 9.66	9.66 9.66	0.00	0.00		
7083.8 Section MD ft = - 7100.0	5 : Straight Incl deg 90.07	64.27 MD Part 1 Ho Azim deg 64.27	6535.0 Hd TVD .ft. 6535.0	289.2 303.9 +N/-S ::::ft:::310.9	600.1 630.6 +E/-W ft 645.2	666.2 700.0 Vs ft 716.2	9.66 9.66 DLS d/100ft	9.66 9.66 Budd d/100ft	0.00 0.00 Term d/100ft	TFO deg		
7083.8 Section MD	5 : Straight Incl deg	64.27 MD Part 1 Ho Azim deg	6535.0 Hd TVD	289.2 303.9 +N/-S	600.1 630.6 +E/-W	666.2 700.0 Vs	9.66 9.66 DLS d/100ft	9.66 9.66 Build d/100ft	0.00 0.00 Term d/100ft	0.00 TFO deg	The state of the s	
7083.8 Section MID ft 7100.0 7143.8	5 : Straight	64.27 MD Part 1 Ho Azim deg 64.27	6535.0 Hd TVD ft 6535.0 6534.9	289.2 303.9 +N/-S ::::ft:::310.9	600.1 630.6 +E/-W ft 645.2	666.2 700.0 Vs ft 716.2	9.66 9.66 DLS d/100ft	9.66 9.66 Budd d/100ft	0.00 0.00 Term d/100ft	TFO deg		
7083.8 Section MID 7100.0 7143.8 Section MID	5 : Straight Incl deg 90.07 90.07 6 : DT6 Cur	64.27 MD Part 1 Ho Axim deg 64.27 64.27 ve Part 1 Buil	6535.0 Hd TVD ft 6535.0 6534.9 Id 2.10 Tu	289.2 303.9 +N/-S ft 310.9 329.9	600.1 630.6 +E/-W ft 645.2 684.6	666.2 700.0 Vs ft 716.2	9.66 9.66 DLS d/100ft 0.00 0.00	9.66 9.66 Build d/100ft 0.00 0.00	0.00 0.00 Term d/100ft	TFO deg		
7083.8 Section MD 7100.0 7143.8 Section	5 : Straight Incl. deg 90.07 90.07 6 : DT6 Cur	64.27 MD Part 1 Ho Azim deg 64.27 64.27 ve Part 1 Buil	6535.0 Hd TVID ft 6536.0 6534.9	289.2 303.9 +N/-S ft 310.9 329.9	600.1 630.6 +E/-W ft 645.2 684.6	966.2 700.0 VS ft 716.2 760.0	9.66 9.66 DLS d/100ft 0.00 0.00	9.66 9.66 Build d/100ft 0.00 0.00	0.00 0.00 Term d/100ft 0.00 0.00	0.00 TFO deg 0.00 0.00		
7083.8 Section MD 7100.0 7143.8 Section MD ft 7200.0	5 : Straight Inct deg 90.07 90.07 6 : DT6 Cur Inct deg 91.25	64.27 MD Part 1 Ho Axim deg 64.27 64.27 ve Part 1 Buil Axim deg 64.27	6535.0 Hd TVID 6535.0 6534.9 Hd TVID 6534.9	289.2 303.9 +N/-S ft 310.9 329.9	600.1 630.6 +E/-W ft 645.2 684.6 +E/-W ft	966.2 700.0 VS ft 716.2 760.0	9.66 9.66 DLS d/100ft 0.00 0.00	9.66 9.66 Build d/100ft 0.00 0.00	0.00 0.00 Term d/100ft 0.00 0.00	0.00 TFO deg 0.00 0.00		
7083.8 Section MD 10.0 7143.8 Section MD 11 7200.0 7300.0	5 : Straight Inct deg 90.07 90.07 6 : DT6 Cur Inct deg 91.25 93.36	64.27 MD Part 1 Ho Azim deg 64.27 64.27 ve Part 1 Buil Azim deg 64.27 64.27	6535.0 Hd TVID ft 6534.9 d 2.10 Tu TVID ft 6534.3 6530.3	289.2 303.9 +N/-S ft 310.9 329.9 +N/-S ft 354.3 397.7	600.1 630.6 +E/-W ft 645.2 684.6 +E/-W ft 736.2 825.3	666.2 700.0 VS ft 716.2 760.0 VS ft 816.2 916.i	9.66 9.66 DLS d/100ft 0.00 0.00 DLS d/100ft	9.66 9.66 Build d/100ft 0.00 0.00 Build d/100ft	0.00 0.00 Term d/100ft 0.00 0.00 Term d/100ft	0.00 TFO deg 0.00 0.00 TFO deg		
7083.8 Section MD 10.0 7143.8 Section MD 11 7200.0 7300.0 7400.0	5 : Straight	64.27 MD Part 1 Ho Azim deg 64.27 64.27 ve Part 1 Buil Azim deg 64.27 64.27 64.27 64.27	6535.0 Hd TVID ft 6534.9 Hd TVID 6534.9 Hd 6534.3 6530.3 6522.6	289.2 303.9 +N/-S ft 310.9 329.9 +N/-S ft 354.3 397.7 441.0	600.1 630.6 +E/-W ft 645.2 684.6 +E/-W ft 736.2 825.3 915.1	716.2 760.0 VS ft 716.2 760.0 VS ft 816.2 916.1 1015.8	9.66 9.66 9.66 DLS d/100ft 0.00 0.00 DLS d/100ft 2.10 2.10 2.10	9.66 9.66 9.66 Build d/100ft 0.00 0.00 Build d/100ft 2.10 2.10 2.10	0.00 0.00 Term d/100ft 0.00 0.00 Term d/100ft 0.00 0.00	0.00 TFO deg 0.00 0.00 TFO deg 0.01		
7083.8 Section 7100.0 7143.8 Section MD ft 7200.0 7300.0 7400.0 7500.0	5 : Straight	64.27 MD Part 1 Ho Axim deg 64.27 64.27 ve Part 1 Buil Axim deg 64.27 64.27 64.27 64.27 64.27	6535.0 Hd TVD ft 6534.9 Hd TVD ft 6534.3 6530.3 6522.6 6511.3	289.2 303.9 +N/-S ft 310.9 329.9 +N/-S ft 354.3 397.7 441.0 484.1	600.1 630.6 +E/-W ft 645.2 684.6 +E/-W ft 736.2 825.3 915.1 1004.6	VS ft 716.2 760.0 VS ft 816.2 916.1 1015.8 1115.1	9.66 9.66 9.66 DLS d/100ft 0.00 0.00 DLS d/100ft 2.10 2.10 2.10 2.10	9.66 9.66 9.66 Build d/100ft 0.00 0.00 Build d/100ft 2.10 2.10 2.10 2.10	0.00 0.00 Term d/100ft 0.00 0.00 Term d/100ft 0.00 0.00 0.00	0.00 TFO deg 0.00 TFO deg 0.01 0.01 0.01 0.01		
7083.8 Section 7100.0 7143.8 Section MID ft 7200.0 7300.0 7400.0 7500.0 7600.0	5 : Straight	64.27 MD Part 1 Ho Axim deg 64.27 64.27 ve Part 1 Buil Axim deg 64.27 64.27 64.27 64.27 64.27 64.27 64.27	6535.0 Hd TVD 6535.0 6534.9 d 2.10 Tu TVD ft 6534.3 6530.3 6522.6 6511.3 6496.3	289.2 303.9 +N/-S ft 310.9 329.9 +N/-S ft 354.3 397.7 441.0 484.1 527.0	+E/-W ft 645.2 684.6 +E/-W ft 736.2 825.3 915.1 1004.6 1093.6	VS ft 716.2 760.0 VS ft 816.2 916.1 1015.8 1115.1 1214.0	9.66 9.66 9.66 DLS d/100ft 0.00 0.00 DLS d/100ft 2.10 2.10 2.10 2.10 2.10	9.66 9.66 9.66 Build d/100ft 2.10 2.10 2.10 2.10 2.10	0.00 0.00 Turn d/100ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 TFO deg 0.00 0.00 TFO deg 0.01 0.01 0.01 0.01		
7083.8 Section 7100.0 7143.8 Section MD ft 7200.0 7300.0 7400.0 7500.0	5 : Straight	64.27 MD Part 1 Ho Axim deg 64.27 64.27 ve Part 1 Buil Axim deg 64.27 64.27 64.27 64.27 64.27	6535.0 Hd TVD ft 6534.9 Hd TVD ft 6534.3 6530.3 6522.6 6511.3	289.2 303.9 +N/-S ft 310.9 329.9 +N/-S ft 354.3 397.7 441.0 484.1	600.1 630.6 +E/-W ft 645.2 684.6 +E/-W ft 736.2 825.3 915.1 1004.6	VS ft 716.2 760.0 VS ft 816.2 916.1 1015.8 1115.1	9.66 9.66 9.66 DLS d/100ft 0.00 0.00 DLS d/100ft 2.10 2.10 2.10 2.10	9.66 9.66 9.66 Build d/100ft 0.00 0.00 Build d/100ft 2.10 2.10 2.10 2.10	0.00 0.00 Term d/100ft 0.00 0.00 Term d/100ft 0.00 0.00 0.00	0.00 TFO deg 0.00 TFO deg 0.01 0.01 0.01 0.01		



Texaco E & P, Inc.
Field: Justis Abo
Site: Lea County, New Mexico
Well: A. B. Coates "C" #15
Wellpath: NE Lower Lateral
Plan: Plan #1

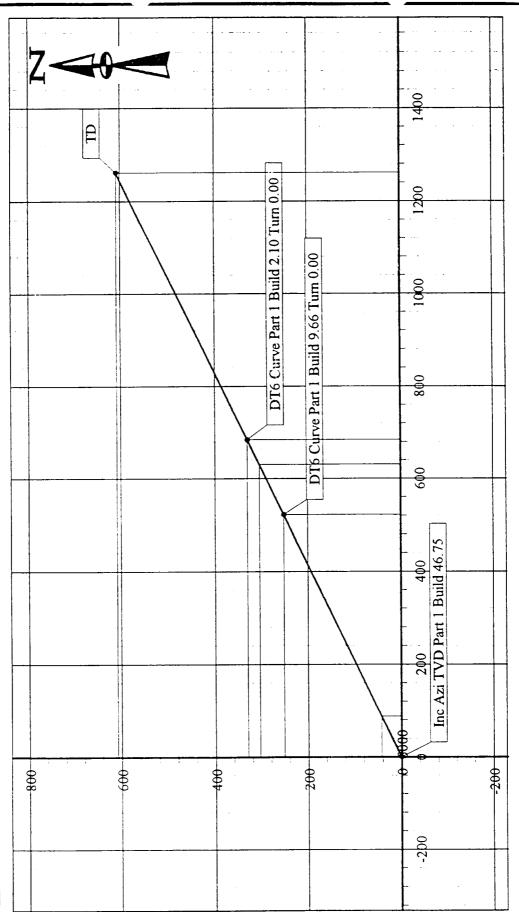






Scientific Drilling

Texaco E & P, Inc.
Field: Justis Abo
Site: Lea County, New Mexico
Well: A. B. Coates "C" #15
Wellpath: NE Lower Lateral
Plan: Plan #1

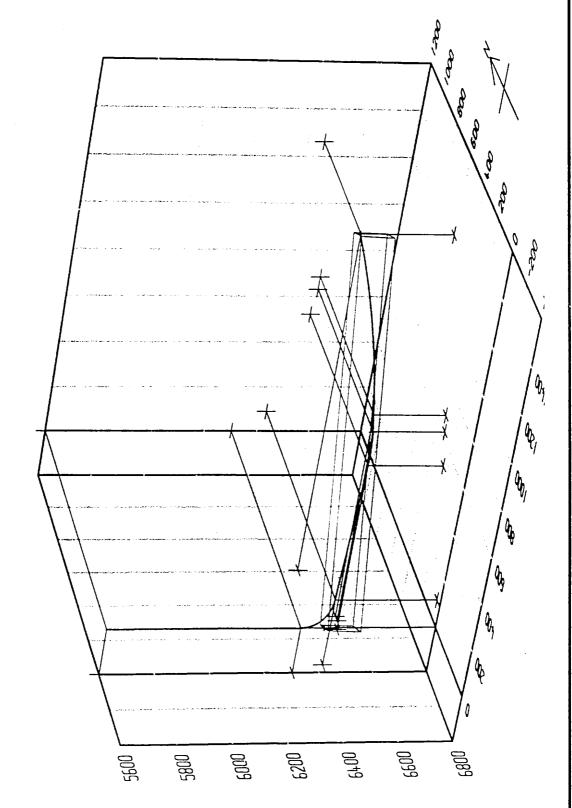


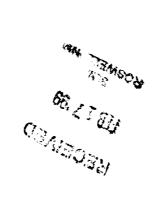
West(-)/East(+) [200ft/in]



Texaco E & P, Inc.
Field: Justis Abo
Site: Lea County, New Mexico
Well: A. B. Coates "C" #15
Wellpath: NE Lower Lateral
Plan: Plan #1









DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

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

1000 Rio Brazos Rd., Aztec, NM 87410 DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102 Revised February 10,1994 Instructions on back Submit to Appropriate District Office

> State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30 025 11728	² Pool Code 96543	³ Pool Name JUSTIS ABO . ♣// d •	
Property Code	· ·	rty Name ⁶ Well N S, A. BC- 15	
OGRID Number 022351	,	otor Name Seleva DN & PRODUCTION INC. 3084	

¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot.ldn	Feet From The	North/South Line	Feet From The	East/West Line	County
0	24	25S	37E		660	SOUTH	1980	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UI or lot no.	Section 24	Township 25S	Range 37E	Lot.ldn	Feet From 1260	The	North/South Line SOUTH	Feet From The 735	East/West Line EAST	County LEA
Dedicated 160	Acres 1	³ Joint or Infill No	14	Consolidation	n Code	15 Orc	ler No.			

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

		17 OPERATOR CERTIFICATION
16	i	I hereby certify that the information
	!	contained herein is true and complete to the
		best of my knowledge and belief
		Signature Stake
	; 1	Printed Name
!	į.	J. Denise Leake
	t t	Position
ı	ŀ	Engineering Assistant
		Date
i	i	2/11/99
	 	18 SURVEYOR CERTIFICATION
<u> </u>	i i	I hereby certify that the well location shown
: l		on this plat was plotted from field notes of
	; E	actual surveys made by me or under my
1 1	i - E	supervision, and that the same is true and
		correct to the best of my knowledge and
] ;]	į E	belief.
	135	Date Surveyed
1 1	BHL	Signature & Seal of
1 1	(i .o.o.) E	Professional Surveyor
! 3	1980'	
	SHL I BE	
1 ! 3	<i>1</i>	
	The state of the s	. Certificate No.
0 330 660 990 1320 1650 1980 2310 264	2000 1500 1000 500 0	
		DeScto/Nichols 3:94 ver 1.10