	<i>F</i>				-			
Form 3160-3 (July 1992) UNITED STATES DEPARTMENT OF THE INTERIOR				SUBMIT IN a (Other instr reverse	uctions on	FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 1995		
	BUREAU OF LAN			240		5. LEASE DESIGNATION AND SERIAL NO.		
	CATION FOR PER					0. IF INDIAN, ALLOTTEE OR TRIBE NAME		
				PEPEN	-			
D. TYPE OF WELL	RILL	DEEPEN [7. UNIT AGREEMENT NAME		
OIL WELL			SINGLE ZONE			8. FARM OR LEASE NAME, WELL NO. Vaca Draw,9418 JV-P #2		
BTA OIL PRODU						9. API WELL NO.		
ADDRESS AND TELEPHON		015/000 0750				3D-D25-35368 10. FIELD AND POOL, OR WILDCAT		
	Midland, TX 79701 ort location clearly and in accordance	915/682-3753	mente *)			Johnson Ranch : Wolfcan		
A 4	& 1980' FEL	s with any state require	anenis.)			11. SEC., T., R., M., OR BLK.		
At proposed prod. zone	B					AND SURVEY OR AREA Sec. 10, T25S, R33E		
4. DISTANCE IN MILES AND	DIRECTION FROM NEAREST TO	WN OR POST OFFICE	*			12. COUNTY OR PARISH 13. STATE		
29 Miles West from						Lea NM		
5. DISTANCE FROM PROPO LOCATION TO NEAREST			16. NO. OF ACR	ES IN LEASE	17. NO. OF A TO THIS	ACRES ASSIGNED		
PROPERTY OR LEASE LIN (Also to nearest drig. unit line		660		340		320		
8. DISTANCE FROM PROPO TO NEAREST WELL, DRILL	LING, COMPLETED,	952	19. PROPOSED		20. ROTARY	OR CABLE TOOLS		
OR APPLIED FOR, ON THI 1. ELEVATIONS (Show whath		.952	14	,200'		Rotary		
3410' GR						22. APPROX. DATE WORK WILL START* 01/15/01		
B.		PROPOSED CAS		ENTING PROGRAM		01/10/01		
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FO			r			
17-1/2"	J55, 13-3/8"	54.5#		ETTING DEPTH				
12-1/4"	· · · · · · · · · · · · · · · · · · ·			700'	t t	600 sx -Sufficient to Circulate		
	L NOO M-0/0 (40#		5000'	1	400 sy Sufficient to Circulate		
8-3/4"	K55, 9-5/8" P110/S95, 7"	<u>40#</u> 29#		5000' 12,800'	1	400 sx-Sufficient to Circulate Cmtd to +4000' w/1400 sx		
			1			400 sx-Sufficient to Circulate Cmtd to +4000' w/1400 sx 50 sx - Sufficient to Circ		
8-3/4" 6-1/8" I hereby certifictor conduct lease active for lease active OPEAL CORVE Product lease active API NO. <u>300</u>	P110/S95, 7" P110, 5" fy that BTA OIL PRODUC ase operations in conjun- vities is being provided b DNO. $\underline{3DD2}$ NO. $\underline{79335}$ 79335 7955 75555 7555 7555 7555 7555 7555 7555 7555 7555 7555 7555 7555 7555 7555 7555 75555 75555 75555 755555 7555555555555555555555555555555555555	29# 18# CERS is respon ction with this aj y BTA's Statewi	isible under th pplication. Bo ide Bond #155 de and true vertion	12,800' 2,400 ' - TD he terms and cond ond coverage pur 56199. ductive zone and pro- cal depths. Give blow	2 ditions of the suant to 43	Cmtd to +4000' w/1400 sx 250 sx - Sufficient to Circ ne lease 3 CFR 3104		
8-3/4" 6-1/8" I hereby certifito conduct lea for lease active OPEAL CORVI PARA CORVI CORVI CORVI CORVI CORVI CORVI CORVI CORVI CORVI CORVI CORVI CORVI CORVI CORVI CO	P110/S95, 7" P110, 5" fy that BTA OIL PRODUC ase operations in conjun- vities is being provided b DNO. $\underline{SDD2}$ $\underline{79335}$ $\underline{7935}$ $\underline{795}$	29# 18# CERS is respon ction with this aj y BTA's Statewi	isible under th pplication. Bo ide Bond #155 de and true vertion	12,800' 2,400 ' – TD he terms and cond ond coverage pur 56199.	2 ditions of the suant to 43	Cmtd to +4000' w/1400 sx 250 sx - Sufficient to Circ ne lease 3 CFR 3104		
8-3/4" 6-1/8" I hereby certif to conduct lea for lease activ OPEC COMP Provide Space Description API MO. <u>30</u> I ABOVE SPACE DESCRI Depen directionally, give pro- A SIGNED HUMM	P110/S95, 7" P110, 5" fy that BTA OIL PRODUC ase operations in conjun- vities is being provided b DNO. $\underline{3DD2}$ $\underline{79335}$ $\underline{7935}$ $\underline{79335}$ $\underline{79335}$ $\underline{79335}$ $\underline{79335}$ $\underline{79335}$ $\underline{79335}$ $\underline{79335}$ $\underline{79335}$ $\underline{79335}$ $\underline{7935}$ $\underline{79335}$ $\underline{795}$ $\underline{795}$ 795	29# 18# CERS is respon ction with this a y BTA's Statewi b to deepen, give dat ations and measure TIM	isible under th pplication. Bo ide Bond #155 ta on present pro- ed and true vertic LE Regulator	12,800' 2,400 ' – TD he terms and cond ond coverage pur 56199. ductive zone and pro cal depths. Give blow y Administrator	ditions of the suant to 43	Cmtd to +4000' w/1400 sx 250 sx - Sufficient to Circ ne lease 3 CFR 3104		
8-3/4" 6-1/8" I hereby certifito conduct lead for lease active OPICAL COSTAND COPICAL COSTAND COPICAL COSTAND COPICAL COSTAND COPICAL COSTAND COPICAL COSTAND CONDITIONS OF APPROVA	P110/S95, 7" P110, 5" fy that BTA OIL PRODUC ase operations in conjun- vities is being provided b D NO. 3DD2 O. 19661 79335 I - 22 - 0 O25 - 35368 IBE PROGRAM: If proposal is ertinent data on subsurface loc AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	29# 18# CERS is respon ction with this ap y BTA's Statewi b to deepen, give dat ations and measure Tim holds legal or equitable	ta on present provide and true vertice LE Regulatory APPROV. e tille to those rights	12,800' 2,400 ' – TD he terms and cond ond coverage pur 56199. ductive zone and pro- cal depths. Give blowd y Administrator AL DATE in the subject lease which	ditions of the suant to 43	Cmtd to +4000' w/1400 sx 250 sx - Sufficient to Circ he lease 3 CFR 3104 roductive zone. If proposal is to drill or program, if any.		
8-3/4" 6-1/8" I hereby certifitor to conduct lead for lease active OPLES COSH PROVE SPACE DESCRI APPLACS SPACE DESCRI ABOVE SPACE DESCRI ABOVE SPACE DESCRI SIGNED TAPACTOR (This space for Federal of PERMIT NO. Application approval does not CONDITIONS OF APPROVA	P110/S95, 7" P110, 5" fy that BTA OIL PRODUC ase operations in conjun- vities is being provided b D NO. 3DD2 O. 19661 79335 I - 22 - 0 O25 - 35368 IBE PROGRAM: If proposal is ertinent data on subsurface loc AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	29# 18# CERS is respon ction with this ap y BTA's Statewi b to deepen, give dat ations and measure Tim holds legal or equitable	ta on present provide and true vertice LE Regulatory APPROV. e tille to those rights	12,800' 2,400 ' – TD he terms and cond ond coverage pur 56199. ductive zone and pro- cal depths. Give blowd y Administrator AL DATE in the subject lease which	ditions of the suant to 43	Cmtd to +4000' w/1400 sx 250 sx - Sufficient to Circ he lease 3 CFR 3104 roductive zone. If proposal is to drill or program, if any.		
8-3/4" 6-1/8" I hereby certifitor to conduct lead for lease active OPLES COMPANY CORRELING APTINO. <u>30</u> ABOVE SPACE DESCRI- rependirectionally, give pro- SIGNED INC. (This space for Federal of PERMIT NO. Application approval does not CONDITIONS OF APPROVA	P110/S95, 7" P110, 5" fy that BTA OIL PRODUC ase operations in conjun- vities is being provided b D NO. 3DD2 O. 19661 79335 I - 22 - 0 O25 - 35368 IBE PROGRAM: If proposal is ertinent data on subsurface loc AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	29# 18# CERS is respon ction with this ap y BTA's Statewi b to deepen, give dat ations and measure Tim holds legal or equitable	ta on present provide and true vertice LE Regulatory APPROV. e tille to those rights	12,800' 2,400 ' – TD he terms and cond ond coverage pur 56199. ductive zone and pro- cal depths. Give blowd y Administrator AL DATE in the subject lease which	ditions of the suant to 43	Cmtd to +4000' w/1400 sx 250 sx - Sufficient to Circ The lease 3 CFR 3104 roductive zone. If proposal is to drill or program, if any. 		

DATE ____

*See Instructions On Reverse Side

~

DISTRICT I P.O. Bez 1960, Hobbs, NM 86241-1060

DISTRICT II P.O. Drawer DD, Artesia, NM 58211-0719

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

DISTRICT IV P.O. Baz 2088, Santa Fe, NK 87504-2088 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 Fee Lease - 3 Copies

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APT	API Number Pool Code									
20 000 202 (8) 20000					Pool Name					
	Property Code									
1966 9418 JV-P VACA DRAW							Well Number 2			
OGRID No					Operator Nan			Elevatio		
003002				B	TA OIL PRODU	JCERS		3410	3410	
					Surface Loc	ation				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
В	10	25 S	33 E		660	60 NORTH 1980		EAST	LEA	
r			Bottom	Hole Loc	ation If Diffe	rent From Sur	face	*·····································		
UL er lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Dedicated Acres	Joint o	r Infill Co	neolidation (Code Or	ler No.	· · · · · · · · · · · · · · · · · · ·				
320	1									
	WABLE W	TIL BE AS	SSIGNED 1	ro this (COMPLETION T	NTIL ALL INTER	FCTS HAVE DI	PEN CONCOLID	(MB I)	
		ORAN	ION-STAN	DARD UN	IT HAS BEEN	APPROVED BY 1	THE DIVISION		IED	
1		······	1			,		OR CERTIFICAT		
1			/	/ 3415.7 <u>'</u>	200		11.			
		1		3415.7° ∣∕Γ	° 3413.9'			y certify the the inj n is true and compl		
1	1	1	,	1	0-1	-1980'		oledge and bellef.		
	1			L 3407.1'		/		AN	01	
1			/	/ /	/ 0100.7		1 Inkni	ANTIA	The	
¥			<u> </u>	⊢_Ľ́_			Signature	appringe	in	
/ /	′ i	/		1				Y HOUGHTON		
1	1	/	1	t/			Printed Nam Rogula	• tory Adminis	traction	
	· /			(1 million and the second se	Title	LOLY Adminis		
			1 2/	1	, I,	· · · · · · · · · · · · · · · · · · ·	05/07/9	99		
		/	295°,	/		/	Date			
	/ +			/		´	SURVEYO	R CERTIFICAT	ION	
	I				ļ	1		that the well locati		
		1	\checkmark		. I		on this plat we	15 plotted from field made by me er	notes of under my	
	1	Ó	#1			ŗ.	supervison, an correct to th	d that the same is s best of my belief	true and	
	l		[MAY	4, 199	9	
	+						Date Surveye	Running Surveyors	JLP	
	l		•		l		Proteining	Surveyor		
	1				l		Dona Kill	To	06-99	
	ļ				L 			m. 99–11293	88	
			ł				Centrate N	CART STEDSON GART STEDSON FESTIONAL	l, 3239	
							11 YL YJA -		12185	

APPLICATION FOR DRILLING

BTA OIL PRODUCERS VACA DRAW, 9418 JV-P, NO. 2 660' FNL & 1980' FEL Sec. 10, T25S, R33E Lea County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill, BTA Oil Producers submits the following 10 items for pertinent information in accordance with BLM requirements:

- 1. The geologic surface formation is Quaternary.
- 2. The estimated top of geologic markers are as follows:

Anhydrite	1,100'	Bone Spring	9,200'
Delaware	5,000'	Wolfcamp	12,450'

3. The estimated depth at which anticipated water, oil or gas formations is expected to be encountered:

Wolfcamp 12,450'

All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished to the BLM, Division of Minerals. All oil and gas shows will be adequately tested for commercial possibilities and reported and protected.

4. Proposed Casing and Cementing Program:

<u>Casing Size</u> 13-3/8 " 9-5/8"	Setting <u>From</u> 0 0	Depth <u>to</u> 700' 4,000'	<u>Weight</u> 54.5# 40#	<u>Grade</u> J55 K55	<u>Joint</u> STC LTC
9-5/8"	4,000'	5,200'	40#	HCK55	LTC
7"	0	12,800'	29#	P110/S95	LTC
5" Liner	12,400'	TD	18#	P110	STL

Depending upon availability at the time that the casing is run, equivalent weights and grades may be substituted.

Drilling Plan Vaca Draw, 9418 JV-P, #2 Page 2

13-3/8" casing will be cemented with 600 sx, PBCZ. Circulated to surface.

9-5/8" casing will be cemented back with 1,400 sx light cement tailed-in with 300 sx Premium. Circulated to the surface.

7" casing will be cemented with 1000 sx light, tailed in with 400 sx Class H back above 9-5/8" shoe.

5" liner will be cemented with 250 sx Class H volume to circulate.

Note: All casing strings will be pressure tested to 0.22 psi/ft. of setting depth or 1500 psi (whichever is greater) after cementing and prior to drillout.

- 5. Pressure Control Equipment: See Attached Diagrams. 3,000 psi on 13-3/8"; 5,000 psi on 9-5/8"; 10,000 psi on 7"
- 6. Mud Program:

<u>Surface to 700':</u> Fresh water spud with 35 to 45 sec/1000 cc viscosity. Will keep mud weight as low as possible using solids separation equipment and water. Will maintain fresh gel in system. Mud Wt = 9.5/9.6.

<u>700' to 5,000'</u>: Brine water. Circulate to reserve pit. Will use lime for pH control in range 10 to 11. Will sweep hole with gel slugs as required for hole cleaning.

<u>5,000' to 12,800':</u> 8.6 to 9.2 ppg controlled brine water. Will use lime for pH control in range 10 to 11. Will sweep hole with salt gel slugs as required for hole cleaning. Will use paper for seepage losses. Will adjust fluid weight as required using brine water.

<u>12,800 to TD:</u> Drill out below 7" casing with premix mud. Mud weight will be adjusted as required by hole conditions. Mud Wt = 12 to 15 ppg.

Drilling Plan Vaca Draw, 9418 JV-P, #2 Page 3

- 7. AUXILIARY EQUIPMENT:
 - a) Upper kelly cock valve with handle available.
 - b) Lower kelly cock valve with handle available.
 - c) Safety valves and subs to fit all drill string connections in use.
 - d) Inside BOP or float sub available.
 - e) Wear ring in casing head
 - f) No floats at bit
 - g) Monitoring of mud system will be electronic/ mechanical below 9,500'.
- 8. Testing Logging and Coring Program:

Drill Stem Tests will only made when samples, drilling time and other data indicate a test is warranted.

It is planned that electric logs will include Gamma Ray log from Surface to 14,200'; Neutron log from Surface to 14,200'; Density log from 5000' to 14,200'; Dual Laterolog from 5000' to 14,200'; Caliper log from 5000' to 14,200'; Formation Imager log from 12,800' to 14,200'.

No coring is planned.

- Abnormal pressure is anticipated in Wolfcamp. BHP <u>+</u> 10,000 psi (max). No H²S in this field.
- 10. Anticipated Starting Date:

It is planned to commence drilling operations on or before January 15, 2000 to last a period of 85 days.

Contact <u>L. G. JOHNSON</u> at <u>915-682-3753</u> with any questions concerning the Drilling Plan.

L. G. JOHNSON Drilling Superintendent



BOP HOOK UP AFTER SETTING INTERMEDIATE (7")STRING. ALL CONNECTIONS FROM THE SPOOL UP WILL BE TESTED TO 10,000 psi.

> BTA OIL PRODUCERS 9418 JV-P VACA DRAW # 2 1980' FEL & 660' FNL SEC. 10, T-25S, R-33E LEA COUNTY, NEW MEXICO JOHNSON RANCH (WOLFCAMP)



CHOKE MANIFOLD EQUIPMENT -- CONFIGURATION MAY VARY

SURFACE USE SUMMARY

<u>FOR</u>

BTA OIL PRODUCERS VACA DRAW, 9418 JV-P, Well No. 2 660' FNL & 1980' FEL Sec. 10, T-25-S, R-33-E Lea County, N.M.

LOCATED:	29 Miles West from Jal
FEDERAL LEASE NUMBER:	NMNM 97153
SURFACE OWNERSHIP:	Federal – BLM
<u>GRAZING LEASEE:</u>	Diamond & Half Ranch c/o Carl Johnson P. O. Box 1292 Jal, NM 88252 505-225-2017
POOL:	Johnson Ranch
DEDICATED ACRES:	320 –North Half of Sec. 10
EXHIBITS:	A. Topographic Vicinity MapB. Access RoadC. Rig Layout Sketch

D. County Map

MULTI-POINT SURFACE USE & OPERATIONS PLAN

BTA OIL PRODUCERS

#2, VACA DRAW, 9418 JV-P 660' FNL & 1980' FEL Sec. 10, T25S, R33E LEA COUNTY, NM

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the referenced well. The plan describes the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance, and the procedures to be followed in rehabilitating the surface after completion of the operation so that complete appraisal can be made concerning the environmental effects associated with the operations.

- 1. Existing Roads
 - A. Exhibit –A– is a topographic map showing the location of the proposed well as staked with existing roads and conditions within the one-mile area. The proposed location is approximately 29 miles west from Jal as shown on Exhibit –B–.
 - B. From Jal, travel west 24.3 miles north on State Highway 128; turn left on County Road C-2 and go 2.6 miles southwest to the cattle guard and going by the Ranch House. Continue southeast for 2 miles; turn left and go east on new access road to the drill site as shown on Exhibit –A– and –B–.
- 2. Access Road
 - A. Our proposed new access road will be an estimated 401 feet east of existing lease road as shown on Exhibit –B-. All of the new access road is on BTA's lease.
 - B. The access road will be crowned for drainage with ditching on both sides of the roadway with turnout ditches located at beginning and end. All roads will be maintained during drilling operations and, if productive, as long as producing.
- 3. Location of Existing Wells
 - A. All existing wells within a one mile radius of our proposed well are shown on Exhibit –D–.

MULTI-POINT SURFACE USE AND OPERATION PLAN

#2, Vaca Draw, 9418 JV-P Page 2

- 4. Location of Existing and/ or Proposed Facilities if Well is Productive.
 - A. If well is productive, we will use the existing well pad for the tank battery and all necessary production facilities.
 - B. New facilities will be applied for via Sundry notice with a schematic diagram prior to installation.
 - C. Should the well be successfully completed for production, the BLM will be notified within five days when the well is placed in producing status.
 - D. All facilities will be painted a flat, nonreflective, earthtone color to match the standard environmental colors within six months of installation.
- 5. Location and Type of Water Supply
 - A. Water for drilling and completion operations will either be purchased and trucked to the well site, or transported by plastic temporary "fas-line" laid on the surface alongside existing roads.
- 6. Source of Construction Materials
 - A. Caliche used for construction of the drilling pad will be obtained from the closest existing caliche pit as designated by the BLM.
 - B. If there is not sufficient material available, it will be purchased from the area designated by the BLM.
- 7. Methods of Handling Waste Disposal
 - A. Drill cuttings will be disposed of in the reserve pits located on the north side of the rig.
 - B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry enough for backfilling.
 - C. Water produced during operations will be collected in tanks until hauled to an approved disposal system or a separate disposal application will be submitted to the BLM for appropriate approval.
 - D. Oil produced during testing will be stored in test tanks until sold.
 - E. Current laws and regulations pertaining to the disposal of human waste will be complied with.

MULTI-POINT SURFACE USE AND OPERATION PLAN

#2, Vaca Draw, 9418 JV-P Page 3

- F. Trash, waste paper and garbage will be disposed of by hauling to an available disposal. All waste material will be contained in a totally enclosed trash basket with a fine wire mesh, to prevent wind scattering during collection. The road and pad will be kept litter free.
- 8. Ancillary Facilities
 - A. It is possible that a mobile home will be used at the well site during drilling operations.
- 9. Wellsite Layout
 - A. Exhibit –C– shows the rig layout and reserve pit.
 - B. Cut and fill will be used as required at the well site, along with the required clearing and leveling.
 - C. The reserve pits will be fenced.
- 10. Plans for Restoration of Surface
 - A. Following drilling and/or completion operations, all equipment and material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the well site as clean as possible.
 - B. Any unguarded pits containing fluids will be fenced until they are filled. Oil in the mud pit will necessitate either removal or installation of overhead flagging. The pit will be allowed to dry prior to commencement of backfilling operations. Fill material will be pushed back into the cuts and up over the backslope, recontouring the area so that there are no large depressions that will trap water or form ponds. Topsoil will be evenly distributed over the entire location. The seedbed will be prepared by disking to a depth of four to six inched following the contour.
 - C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the BLM will be complied with and will be accomplished as expeditiously as possible.
 - D. All disturbed areas will be seeded on the contour at a depth of one-half Inch using the seed mixture specified by the BLM.
 - E. Seeding will be completed after September 15 and prior to November 15th before freeze up or as early as possible the following spring to take advantage of available ground moisture.

MULTI-POINT SURFACE USE AND OPERATION PLAN

#2, Vaca Draw, 9418 JV-P Page 4

- 11. Surface Topography
 - A. The surface ownership is Federal.
 - B. The grazing lessee is: Diamond & Half Ranch P. O. Box 1292 Jal, New Mexico 88252
 - C. The wellsite and access route are shown on Exhibit –A–, Topographic map of the area. Our access route is covered by NM State Land Office ROW No. RW-26037 in Sections 33 and 34 and BLM-ROW Serial No. NMNM-96619 covers Section 3 as shown on Exhibit –A-.
 - D. There are no houses or buildings within one mile of the drillsite. The Ranch house located two miles northwest is the closest building.
 - E. Signs identifying and locating our well will be maintained at the drillsite and principle entrance, commencing with the spudding of the well.
 - F. An Archaeological Survey has been prepared by Desert West Archaeology and provided directly to the Carlsbad office.
- 12. Operator's Representative:
 - A. The BTA representative that is responsible for assuring compliance with the approved surface use plan is:

Drilling Superintendent:	Mr. L. G. Johnson				
	Phone: 915/682-3753 (Office)				
	915/682-5149 (Home)				

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill 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 BTA Oil Producers and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Dated this 18th day of December, 2000.

ÓHNSON

DRILLING SUPERINTENDENT FOR BTA OIL PRODUCERS



LOCATION VERIFICATION MAP



BELL LAKE, N.M.



EXHIBIT -C-

BTA OIL PRODUCERS 9418 JV-P VACA DRAW # 2 1980' FEL & 660' FNL SEC. 10, T-25S, R-33E LEA COUNTY, NEW MEXICO JOHNSON RANCH (WOLFCAMP)

н о., Ф	tun.	(· · · · · · ·	, ~ 105719 bas 300 €i ∲ 1 €, ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- <u>18 55</u> - 18 55	idian Burlington - + 1 Murchison	B	15.4.19/10-04/16 1 Mobil U.S., MI (1-18 84)[11]
Kira)T.SI IA 199-61	Įψ"	Sinte Silete Ol Al	Menzano	State Texaco Burlington Pioneer Hat.Res.42 13.1.99 EEX Corp.	Burlingtont (Sentray)	Diamond E. Half, Inc (S) U.S.	O.S. Nubert Maiere
WAT-11-41	-]+++	Mitchell Conff. R Ener. State	LG 5547	H B P. V 4317 B-732 9 67 V 4856 Porkere,	toson (total) furtientes	Enron HBP (HMG) 19858 glasting Chiefe fact (Aliefe fact) (Aliefe fact)	lington \$60.Roy. Yates Pct. et 6 - 84 12 - 1 - 53 1965 6 21808 0722 Her
	JT II K	v.4504 ipisi 195 ft batitien 30	29 (Strip)	28 (24) 143 244	L6 4556 1 170012 N/2 HBC	10 /5 750 (WC 01/2)	1 25
		;	Tidewater St For Thirss Toseater St For Thirss TOSECO Participation	(0) 05 015t.	0/410-23 64 Enrort 4H4 bbis	PTPECK	Ourda (Mariana Carlos Carlos Carlos Carlos Carlos Carlos Tempses
	11114	State	Signa O'AP	TRISTLE ()P?)	Enron 3 1 2000 V 4536 State 115 22	"Triste Drew Fed."	U,S. Store
H & P E-3009		MitchellEner 1 1 99 7 4505	Eiron Əğû 8 i 99 41 99 14 91 14 92	E.f. Sanchez 4 · 1 · 99 V· 4332 III <u>§1</u>	Pugo Pred. 4 - 1 - 99 Enron v. 4 331 4 - 4 - 2000 H2 92 v. 4 519	Enron HBP	Enron 8
	Malun		32		H2 <u>97</u> 265 <u>62</u> 0	19856 © ¹ £9750 be	10-4235 Kirk Lee- 10 55 Da 10
	J# 444	A Gentin	~	33	Enron - 34 H.B.P B.399	friste pr. 35	36 Strong P.R. Boss Concerned Concerned Concerned (1998)
	99 37.4	2 <u>Conf</u> 10 3-14 5 4-61 5 4-61	State	(Prover ()) (Mart Res. V2) Store	Pogo Pred. 4.4931 "Triste On-St." 112 22 Store	U.S.	An Star (Masso (Mina) In Sila (Masso (Mina) Ch Sila (Masso (Mina) Ch Sila (Masso (Mina) Ch Star
T ADAL et et	.mail in	Aunal Hanna Apple 1 Pennell Ener 13-17 400 11-1700 1 5079 97902 1 604	WHL ANTH, AUBL (1) HIL (Promeer Not. Res. 72 (EEX Corp. 12 - 1 - 100 H. H. f. Merter 97801 Serie Feet	ECICOTI Deferrint Serv. 1.1.000 (Phillips) 1.1.1000 (Phillips)		3530/2713534 Ar JISa or Ar 215583/47	133 87Ac (123 81 Ac 1113 And 213 17
•	31 0 4	 370 £2 370 £2 Someti£n One Kee 	12 - 1 - 1000 H.H.I. Merter 97901 Bert Fra 47022 May 2 es		19859	624	(Quinoco, et al)
	M47		5 (Pianeer Hai) (825 - 1/2	4 (Oryn Ener.) Gile-Beep Aona bisc H.3 Md.	3	, • • • • • • • • • • • • • • • • • • •	Hallwood-Fed Fabs P707 d Hallwood-Fed Fabs Fail Enron Fed T912
	99 Va 4a	εε ει οι λίου μ	EEX.Grp 4.1.2006 U.S. 97150		"Triste Draw. Fr	VACA .	F350 Hallwood - Fert
72., 25 90 IET.	ji n k	/T Penwell Ener,	5	U.S. BTA	U.S	Store Hallwood Pet. Inc.	U.S. " FADOO DENTON OF THE (Quinoco, stal)
03	01 MA	12 47403 # 49099	280 99 Enet Sontane 1 1: 806 9790-1 Annie Bass	01192 1998	97153 0 8 2	, Naliwesd Pet Inc. ⊕-, 6 19790. (Erron) @Jest (Erron) @Jest Muse. Fet TPSIST #54 62. ************************************	(Quinece,etd) 38400 *F60 ,
	JI H M	≠ ⁷	⁷⁵⁰²² 6 ⁶⁶⁴⁴³ 74 ⁶),		10 •••	43MU 	12 **
	-486 IV.	\$.2.U	2.0		n in the second s	H8P 30405	Holiwood- Fed." (dumeco) Enr
\$per		X Sgnto Fr Eger. 90545	Enron	EEX Corp.	(Motil) Envon	U.S. Exxon 0 : 27 951 Enron	[
s H Jolliffe Burr Fed Tosnao D'A-C +2 67			DRAPER	V 4492 139 44 Maga (Atoma (Anda) (310 1	26079 (Superner) Ornos-Fed Morr Desch, i CB1009 HTOM 009	95322 HBP 105 <u>991</u> HBP 19623	1995 544 1995 544 (********
D'A-C +2 67	am :	d 18		(MIRE) (1) 1 Crow Se HG	Community Augore Desch From Best From Best Fro	Enron 14 MAP Vaca Fed. To12600	13 04412-31 13 04412-31
1011 1011-Fed. 14257 15-18-79	M84 4	k		E19862		Vaca Fea. M.	* Voca-Fed.** [1][[1]] [1][[1]] [2]
	4814	US Santu (c)ner Victor	915 443 56	s 25:		<i>U</i> 5	RED HILLS
HBP		A7 \$3	 Enron	©i G.L. Buckies L~ on Morshelf Fee. i Solt 26334 64 6:19:40	Те госо нар 15091	Enron H8P 19623	Enren En' - 24490 24,
	inst.	4. • 19	HUP 26394 20	21	22- BTA, etal	23	(Amoco) Ansrukhoeutous Fest, Marrow Disc 24 INHI
	` ⊕́			for and the second	₿ • 10 • 83	Niji F. Maeker Mase-Fed. 10559 DI DIA 10-26-62	
Eger.	W 44	US With States bec	U.S., M U.S. W W.H.Brinnstool Matador Pet, Matador Pet.	U.S., W Brinnstool 1214.U.S.	U.S. Herry Ord re-	O' 10/4 10 26-62 U.S.	₩ 04.83 8H 17.5 U.S. 5H
IEN	504110 90	re Eger HAU Soger ISSIS	6 3 91 HBP 43562 26394	43562 1 24394 Q	13 17 17 T		
	77 J	30	Enancie 29 History Alstodor Pel. HAT	* 1 100 4 12 6 1 100 4 12 6 1 100 4 12 6 1 100 100 100 1 100 100 100 1 100 100 1	<u>EXHI</u>	<u>BIT - D -</u>	
	Tena Ta	Jerr Robbins,(S)	446 15 64 HAP 26394	l Tidewater Bass-Fed, Sosser Dan Jawa			r
		U.S.	20	Red Hills-Fed U.S.		OIL PRODUCERS	
(a).	uns 1	Mitchell Ener 934 84 Free 500 41 1 2004 914 1 2004	(Merbob) K H§S Matadar Pel	C. P. K. Bese 6-1-65(3 07/07/2 0 G.T. Apell Matudor Pel.)' FEL & 660' FNI . 10, T-25S, R-33E	
	ant t		RED HILLS	U.S. HBU	LEA CO	UNTY, NEW MEX	KICO
Tenn Gas Rich-Base Zi 3383	Køiser-I HE	Francis (Kaiser) IP Francis 121 HBP 	N.H. Wills	Alledort 33 Stess RED HILLS STR2 UNIT	JOHNSON	RANCH (WOLFC	AMI')
	-	U.S.		U.S., M			