N.M. Oil Cons. DIV-Dist. 2 1301 W. Grand Avenue Artesia, NM 88210

Form 3160 -3

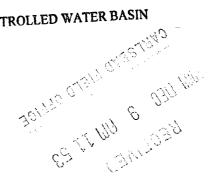
FORM APPROVED

April 2004)					March 31, 2007	
UNITED STATES DEPARTMENT OF THE I				5. Lease Serial No.	· 	
BUREAU OF LAND MAN		•			1326	
APPLICATION FOR PERMIT TO	DRILL OF	REENTER		6. If Indian, Allotee N/A	or Tribe Nam	e
la. Type of work:	ER			7 If Unit or CA Agre N/A	eement, Name	and No.
1b. Type of Well: Oil Well Gas Well Other	Si	ngle Zone Multip	ole Zone	8. Lease Name and Amoco 11 Fed		
2. Name of Operator RB Operating Company				9. APL Well No.	015.	-33916
3a. Address 777 Main Street Suite 800 Fort Worth TX 76102		. (include area code) 10-1908		10. Field and Pool, or East Loving D	Exploratory	
4. Location of Well (Report location clearly and in accordance with an	y State requirem	ents.*)		11. Sec., T. R. M. or E	lk. and Survey	or Area
		TO LIKE AL BY STAT	E.	Sec. 11, T23S,	R28E N.M	í.P.M.
14. Distance in miles and direction from nearest town or post office* 3.9 Miles Northeast From Loving, NM	X I KO V	TO DA STATE	<u></u>	12. County or Parish Eddy	13.	State NM
15. Distance from proposed*	16. No. of a	cres in lease	17. Spacin	ng Unit dedicated to this	well	
location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	640		40		RI	ECEIVED
Distance from proposed location* to nearest well, drilling, completed,	19. Proposed	í Depth	20. BLM/	BIA Bond No. on file	F[EB 0 1 2005
applied for, on this lease, ft.	6500				OCI	ANTESIA
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3045'	22. Approxi	nate date work will star	rt*	23. Estimated duratio	n	
3045	24. Attac	01/15/2005		15 Days		
The following, completed in accordance with the requirements of Onshor			ttached to th	nis form:		
Well plat certified by a registered surveyor.	c on and out	4. Bond to cover the		ons unless covered by an	existing bond	on file (see
 A Drilling Plan. A Surface Use Plan (if the location is on National Forest System. 	I ande the	Item 20 above). 5. Operator certific	ation			
SUPO shall be filed with the appropriate Forest Service Office).	Lanus, me		specific inf	ormation and/or plans as	may be requir	red by the
25. Signature.	ŀ	(Printed/Typed)			Date	
Citle C. Delas		Linda C. Stiles			11/22/20	104
Sr. Engineering Tech						
Approved by (Signature) /s/ Joe G. Lara	Name	(Printed/Typed) /S/ J	loe G.	Lara	Date JAN 2	8 200 <u>5</u>
CTING FIELD MANAGER	Office			FIELD OFF		
Application approval does not warrant or certify that the applicant hold conduct operations thereon. Conditions of approval, if any, are attached.	s legal or equi	table title to those right APPROVA	ts in the sut	oject lease which would e OR 1 YEAR	ntitle the appli	cant to
Citle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a createst any false, fictitious or fraudulent statements or representations as t	rime for any peto any matter w	erson knowingly and writhin its jurisdiction.	villfully to n	nake to any department o	r agency of th	e United

*(Instructions on page 2)

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

CARLSBAD CONTROLLED WATER BASIN



State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT II 1301 W. GRAND AVENUR, ARTESIA, NW 88210 OIL CONSERVATION DIVISION Submit to Appropriate District Office 1220 SOUTH ST. FRANCIS DR. 87505

Form C-102 Revised JUNE 10, 2003 State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, New Mexico 87505
DISTRICT IV	WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name	Well Number
	AMOCO 11 FEDERAL	9
OGRID No.	Operator Name	Elevation
	R.B. OPERATING	3045'

Surface Location

UL or lot No.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	Rast/West line	County
В	11	23-S	28-E		330	NORTH	1425	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
В	11	23-S	28-E		330	NORTH	2310	EAST	EDDY
Dedicated Acre	Joint o	r Infill Co	nsolidation (Code Or	der 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
1) X=5X55h4 1 F V	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and betief. Signature DK ROBINSON Printed Name Drig Mgv Title 11/30/04 Date SURVEYOR CERTIFICATION
NAD 27 NME Y=482547.4 N	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.
	NOVEMBER 3, 2004 Date Successed Million JR Signature & Scallage JR Signature & Scallage JR Professional Surveyor JR DAN D. Lorent JR OA 11.1471 Certificate No. GARY EDSON 12841

RICT I M. PEENCH DR., HOBBS, NM 88240

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT II 1301 W. GRAND AVENUE, ARTESIA, NM 88210 OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505 Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410 DISTRICT IV WELL LOCATION AND ACREAGE DEDICATION PLAT ☐ AMENDED REPORT 1220 S. ST. FRANCIS DR., SANTA FR, NM 87505 Pool Code Pool Name API Number Property Code Property Name Well Number AMOCO 11 FEDERAL 9 Elevation OGRID No. Operator Name R.B. OPERATING 3045 Surface Location Lot Idn Feet from the North/South line Feet from the East/West line UL or lot No. Section Township Range County **EDDY** В 11 23-S 28-E 330 NORTH 1425 **EAST**

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
В	11	23-S	28-E		330	NORTH	2310	EAST	EDDY
Dedicated Acres	Joint o	r Infill Co	nsolidation (Code Or	der 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

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY TH	DIVIDIOIN.
AMOCO 11 FEDERAL #6	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature DK ROBINSON Printed Name DVIG MGY Title IV30/04 Date SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief. NOVEMBER 3, 2004 Date Surveyed Signature & Seal of Professional Surveyor
	04.11.1471 Certificate No. GARY EDSON 12641



RB OPERATING COMPANY Drilling Program

Prepared 12/3/2004

PROPOSED DEPTH: 6400' MD

COUNTY: Eddy, NM 6400' TVD

ANTICIPATED PRODUCTIVE FORMATION: Brushy Canyon

NMOCD PERMIT #: xxxxxx

API NO: 30-015-xxxxx

GENERAL:

This will be a 6400' Brushy Canyon producer in Eddy Co., New Mexico drilled on a daywork basis by Patterson Rig #65. After building the surface location Rig #65 will move in and drill a 12-1/4" surface hole to +/-570. Actual TD will be spaced so that casing will be landed where the casing head can be screwed on. A string of 8-5/8" casing will be run and cemented to surface.

Nipple up BOPs and test same, drilling will continue with a 7-7/8" hole to a total depth of 6400'. Actual TD will be spaced so that casing will be landed where the casing head can be screwed on. After electric-logging the open-hole interval, a string of 5-1/2" casing will be run and cemented from total depth to surface and the tubing head installed.

Well will be drilled on a daywork contract.

ESTIMATED FORMATION TOPS: (Log Depths)

Anticipated tops are approximate:

Pardue	4670'
BC 'A'	5905'
BC 'B'	5990'
BC 'C'	6105'
BC 'D'	6170'
Total Depth	6400'

DETAILED DRILLING PROCEDURE

TIMES AND EVENTS TO NOTE ON DRILLING REPORT:

A. SPUD

B. TD

C. RIG RELEASE

MUD PROGRAM

INTERVAL	MUD WEIGHT	FUNNEL VIS.	PV/YP	API Fluid Loss
0' - 570'	8.4 – 9.0	36-45		NC
570'-6000'	9.9 – 10.1	28-32	A CONTRACTOR OF THE CONTRACTOR	NC
6000'-6400'	9.9 - 10.2	34-38		Less than 20

- 1) Level and build an all-weather location and access road.
- 2) MIRU Patterson Rig #65. Perform rig safety inspection and ensure that everything is in proper working order prior to spudding well. In some areas it may be necessary to set a conductor due to sand. The well will be drilled with a closed loop mud system. RU rails and cuttings catch tanks and additional mud cleaning equipment.
- 3) Notify NMOCD of intent to spud, run casing and cement each 24 hours in advance 505-748-1283.
- 4) Spud well with 12.25" mill tooth bit. BHA should consist of 4-8" drill collars and 6" drill collars. Drill to +/- 570' (Actual depth will be determined by the length of the casing). Circulate hole clean. Sweep and condition hole to run casing. Drop a TOTCO prior to POOH (must run 1st survey prior to 500' per NMOCD rules). Pull out of hole, lay down 12.25" BHA.
 - NOTE: Mud through this interval will be a native spud mud supplemented with Bentonite. Lime may be used to flocculate the mud and increase the yield point to clean the hole. Mix paper for seepage control. Utilize all solids control equipment to control drill solids. Run as fine of mesh shaker screens as possible. Use water to control mud weight and viscosity. Maintain mud weight at 8.4 9.0 ppg.
- 5) Make sure to get mill test papers with surface casing. Rig up casing crew and run 8-5/8", 24.0#, J-55, ST&C as follows:

1-8-5/8" Texas Pattern Shoe

1-8-5/8" Insert Float Collar

1-8-5/8" x 12-1/4" Centralizer 10' above shoe

1-8-5/8" x 12-1/4" Centralizer next two joints

1-8-5/8" Stop Ring

- 6) Circulate for at least bottoms up plus one casing volume with mud prior to cementing. Cement surface casing according to cement recommendation. NOTE: Have field bin, cement, and circulating equipment on location prior to casing job. DO NOT call for pump truck until needed. Attempt to cut down on hours over minimum.
 - a) Review rates, pressures, displacement volumes and casing pressure rating with Service Company and rig personnel. All cement slurries are to be lab tested; both a pilot test and a test of the actual field blend. Report results, including 24 hour compressive strengths, to the office. (See Cement Testing Requirements below). Also keep two samples of each dry cement.
- b) Cement well as follows: Pump 10 bbl fresh water , mix 350 sxs class "C" with 2% CcCl2, 1/4# celloseal mixed @ WITNESS 14.8ppg & 1.32 ft3/ sx Tail, Displace with fresh water, Bump plug with w/ 500 psi over final pump pressure.
 - c) If cement is not circulated to surface, contact the office and the NMOCDC and prepare to run 1" and top out cement. Have 1" pipe on location for top-out.
 - d) If cement falls, fill 12.25" X 8-5/8" annulus with cement.
 - 7) Release pressure and check for flow back. If float is holding WOC six (6) hours before NU wellhead and BOP. Otherwise shut in well, hold & WOC 12 hours. Well must stand at least 8 hours total before any testing of casing is performed per NMOCD.
 - 8) After Cementing casing, screw on 8-5/8" Larkin Model 92 style casing head. Test BOP blind Rams & choke manifold 250#

& 3000# high. Pick up bit (Reed TD53B, jetted w/ 3-12's) & BHA, trip in hole, test BOP pipe rams 250# low & 3000#. Pressure test casing to 1000 psi for 30 minutes prior to drilling out shoe.

MUD NOTES: See Mud Program for details

After cementing 8-5/8" casing circ pit with brine water. Mix paper for seepage control. Utilize pre-hydrated Gel/Lime sweeps for flushing the hole. Run all available solids control equipment to control weight. Add brine water as needed to maintain volume. Add LCM to system only as needed. Use batch LCM treatment if losses occur and maintain as needed.

- 9) Drill ahead with brine water in 7-7/8" hole taking deviation surveys every ±500' or nearest bit run per NMOCD rules. Use sweeps as needed to clean hole. Drill to +/-6400; exact TD will be determined by the length of the casing. Sweep and condition hole in preparation for logging. Spot a 50 bbl, 40-42 visc pill prior to POOH for logs. Strap out of hole.
- 10) RU Wire line Truck and Tools. Log well as instructed by RB Operating. Rotary sidewall cores may be required along with RFTs.
- 11) Make a conditioning trip prior to running casing. Trip into hole with BHA and drill pipe, break circulation at 2400'. Ream last two stands to bottom. Circulate and condition hole. Maintain viscosity of 38. TOH laying down 4-1/2" drill pipe and drill collars. Clear floor and prepare to run casing.
- 12) Rig up casing crew and run 5-1/2" 15.5#, J-55, LT&C as follows:
 - a) Float shoe (thread-lock)
 - b) 2 jts. 5-1/2", 15.5#, J-55, LT&C casing (thread-lock)
 - c) Float collar (thread-lock)
 - d) 5-1/2", 15.5#, J-55, LT&C Casing to 3350'.
 - e) DV tool.
 - f) 5-1/2", 15.5#, J-55, LT&C Casing to surface.

The two bottom joints of 5-1/2" casing and the float shoe and float collar should be thread-locked (do not weld pipe). Run 1 centralizer 5' above shoe with limit clamp, one on the next collar, one just below the float collar with limit clamp and one per joint up to 4500'. Run 1 centralizer above and below the DV tool.

- 13) Circulate mud for at least bottoms up plus one casing volume prior to cementing.
- 14) Cement the production casing as follows. Re-figure cement volumes on a basis of: caliper + 20% + 50 sx. Precede Cement with 20 bbl fresh water, 500 gals superflush, 20 bbl fresh water

Stage One:

Lead: 600 sx 50:50 Poz C + 2% Gel + 0.40% TF-4 + 57% water + 0.3% CF-2 + 10 pps Gilsonite, mixed at 13.6 ppg, 1.48 ft3/sk.

Tail: 150 sx. Class "C" + 0.2% TF-4 + .3% CF-14 + 56% water, mixed at 14.8 ppg, 1.33 ft3/sk.

Release pressure and check for flow back. After bumping plug, drop DV tool opening dart and allow to fall. Open DV tool and circulate 4 to 6 hours. Mix and pump stage two.

Stage Two:

Lead: 820 sx 35:65 Poz C + 10% D44 + 6% D20 + 0.2% D46, mixed at 12.7 ppg, 2.08 ft3/sk.

Tail: 100 sx Class C + 2% CaCl2, mixed at 14.8 ppg, 1.34 ft3/sk.

- a) Review rates, pressures, displacement volumes and casing pressure rating with Service Company and rig personnel. All cement slurries are to be lab tested; both a pilot test and a test of the actual field blend. Report results, including 24 hour compressive strengths, to the office. (See Cement Testing Requirements below). Also keep two samples of each dry cement.
- b) Have additional water storage on location as necessary for mixing cement. Have water analyzed by cementing company for compatibility with cement and chemicals.
- c) Reciprocate pipe during job. Pump spacer and cement at 7-8 BPM. When the last cement has been pumped, maintain rate at 7-8 BPM. Displace with fresh water. When reaching displacement to shoe joint minus 10 bbls slow pump rate to 2 barrels per minute or less prior to bumping plug.
- d) Bump plug with 500 psi over final displacement pressure and hold pressure for 15 minutes.
- e) If cement does not circulate notify NMOCD office.
- 15) Release pressure and check for flow back. If floats are holding, continue to make preparations to hang 5-1/2" casing one foot off bottom. If floats do not hold, wait 12 hours on cement.
- 16) Set 5-1/2" slips in "A" section. Nipple down BOP, Nipple up well head.
- 17) Install cap. Clean mud pits and release rig.

CEMENT TESTING REQUIREMENTS:

Laboratory Blend:

Obtain thickening time, rheology, water loss, and compressive strengths of the laboratory cement blend with a water sample of the actual water to be used in cementing for each cement

slurry to be pumped.

Field Blend:

Obtain thickening time of the field cement blend with a water sample of the actual water to be used in cementing for each slurry to be pumped. If the thickening time of the field blend is consistent with the thickening time of the laboratory blend, proceed with the cement job. If not, wait on the compressive strength results. Regardless of thickening time results, obtain all of the compressive strengths of field blend to compare with the compressive strengths of the

laboratory blend.

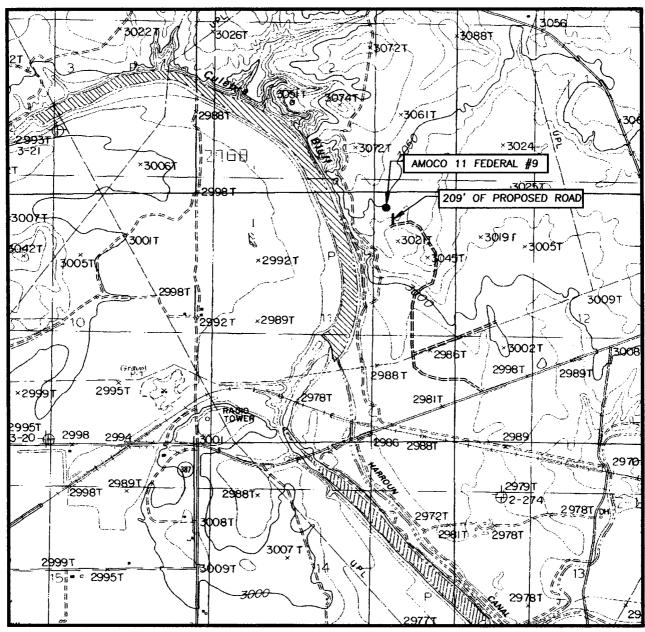
NAME: SELEC	Positon Seas	हरू (लेडावेडी <mark>श</mark> ाल)हरू है	ANNONE PROPERTY	NOTAGE RIJENES
George Allen Teer	VP of Operations	(817) 723-1107	(817) 491-3740	(817) 870-2601
Don Robinson	Drilling Manager	(469) 450-2281	(972)-317-8345	(817) 509-1506
Andrew Tullis	District Engineer	(817) 797-2804	(214) 505-0233	(817) 509-1505
Martin Emery	Chief Geologist	(817) 366-3693	(817) 430-4861	(817)870-2601
Linda Stiles	Engineering Tech / Environmental Matters	(817) 291-4618	(817) 561-5544	(817) 810-1908
Bobby Ebeier	District Landman	(817) 688-0712	(817) 923-0306	(817) 810-1987

COMPANY NAME	不到 编数 是SERVICE x 在	EONTAGE PERSON 3	数次扩ELEPHONENO 示
Patterson., Midland, TX	Sales	Steve McCoy	(432)-682-9401
Patterson Rig #65	Rig Floor		(505) 390-7108
	Tool Pusher	Robert Lambright	(505) 420-0801
Suttles Logging, Inc Midland, TX	Mudlogging	Sam Samford	432-687-3148
Schlumberger-Artesia, NM	Cementing Service	Lynn Northcutt	(505)-748-1392 cell 505-365-7510
Nova Mud, Inc- Hobbs, NM	Drlg Mud	Dale Welch	(800) 530-8786
National – Hobbs, NM	Well Heads		(505) 393-9928
Master Tubulars - Midland, TX	Casing & Tubing	Randy Martin	(800) 682-8996
TFH -Hobbs, NM	Dirt Contractor		(505) 397-3270
Schlumberger –Artesia, NM	Float Equipment		
Halliburton Logging -Hobbs, NM	Open Hole Logs	Michael Escriva Tommy Johnson	(505) 392-7543
Allen's Casing Crew -Hobbs, TX	Csg Crew		
CRI -Odessa, TX	Closed Mud System	Larry Parker	(505) 631-6984
I&W- Carlsbad, TX	Water -		(505) 885-6663
SWACO-Odessa, TX	Mud Cleaning	Keith Solley	(915) 550-2944
National -Hobbs, NM	General Supplies		(505) 393-9928
TFH -Hobbs, NM	Fork Lift		(505) 397-3270

DRILLING PROGNOSIS WELL : AMOCO 11 FEDERAL #9 **AFE** : 330' FNL and 1425' FEL, Sec 11-T23S-R28E **FIELD** : LOVING EAST SL **OBJECTIVE : BRUSHY CANYON** : 330' FNL and 2310' FEL **BHL** : EDDY COUNTY : 6500' MD COUNTY : NEW MEXICO **PERMIT NO** STATE **FORMATION** GL=3045' HOLE **LOGS & CASING** MUD **KB =13' AGL TOPS** RB OPERATING COMPANY SIZE WEIGHT 14" Conductor- Preset 8.5-9.0 ppg 12 1/4" **WBM** 8-5/8", 24#, J-55, STC (0-300') 300' 7-7/8" Mudlogger on location @ 2500' 10.0-10.2 ppg **WBM** (Brine) (POTENTIAL) 4670' Pardue (OBJECTIVE) 5905' Brushy Canyon "A" (OBJECTIVE) 5990' Brushy Canyon "B" (OBJECTIVE) 6105 Brushy Canyon "C" (OBJECTIVE) 6170 Brushy Canyon "D" RESISTIVITY/SONIC/ **NEUTRON-DENSITY/GR** RFT'S **ROTARY SIDEWALLS**

5-1/2", 15.5#, J-55, LTC (0'-6400')

LOCATION VERIFICATION MAP

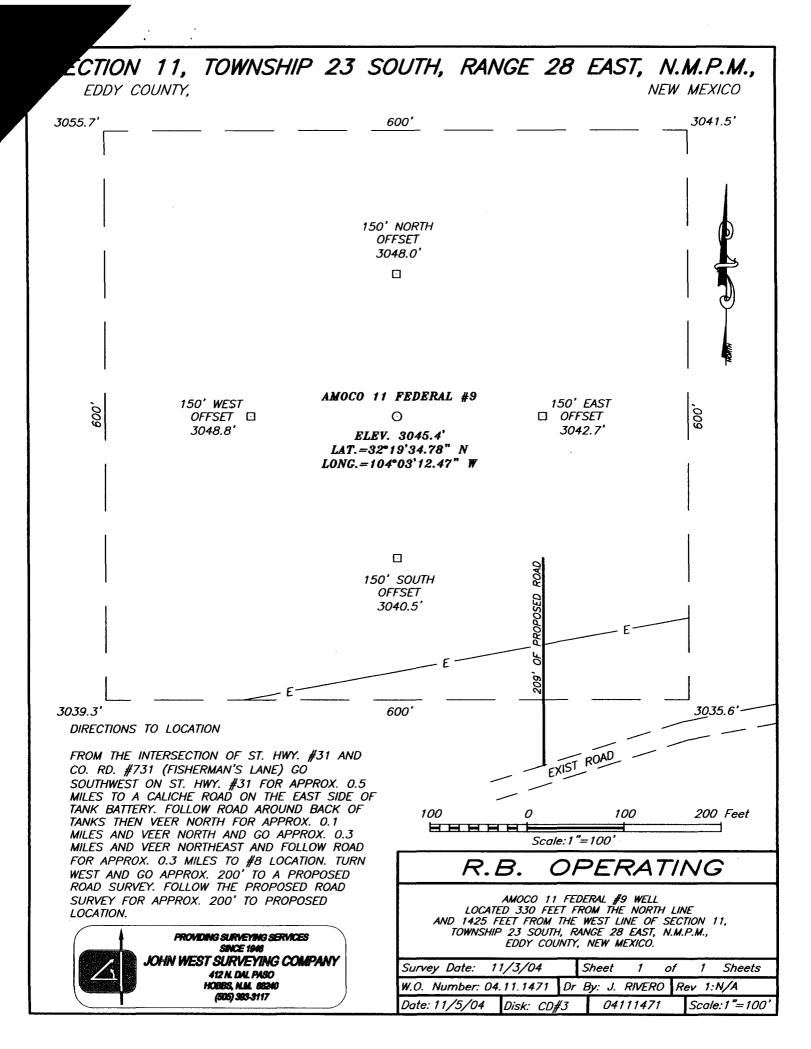


SCALE: 1" = 2000'

CONTOUR INTERVAL: LOVING, N.M. - 10'



PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117



Multi-Point Surface Use Operating Plan
RB Production Company
Amoco 11 Federal #9

This plan is submitted with form 3160-3, Applications for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, and the proposed construction. And the procedures to be followed in rehabilitation of the surface after completion of the operations, so that a complete appraisal can be made of the environmental affects associated with the operation.

1. Existing Roads:

A. Exhibit A is a portion of a road map showing the location of the proposed well. The proposed location is situated approximately 3 miles Northeast of Loving, New Mexico.

B. Directions:

From the intersection of St. Hwy. 31 and Co. Rd. 731 (Fisherman's Lane) go southwest on St. Hwy. 31 for approx. 0.5 miles to a caliche road on the east side of tank battery. Follow road around back of tanks then veer north for approx. 0.1 miles and veer north and go approx. 0.3 miles and veer northeast and follow road for approx. 0.3 miles to the #8 location. Turn west and go approx. 200' to proposed road to wellsite.

2. Planned Access Road

A. The proposed well site is located 194' north of the existing road.

Approximately 194' of new road will be constructed on flat terrain as per BLM specifications.

3. Location of Existing Wells:

- A. The well locations in the vicinity are shown on Exhibit B
- 4. Location of Existing and/or Proposed Facilities
 - A. The layout of the well pad, drilling rig and reserve pit are shown in Exhibit \underline{C} .
 - B. In the event that this well is productive, the tank battery and production facilities will be constructed on the well pad
 - C. The production facility will consist of two 500 bbl steel oil storage tanks, one 300 bbl closed top fiberglass tank, one separator and one heater treater.

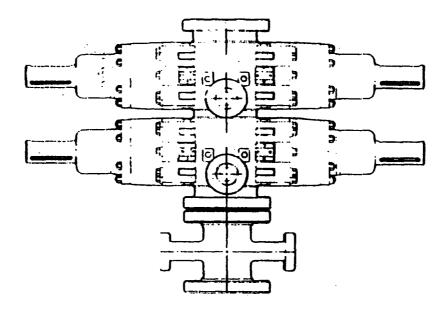
- 5. Location and Type of Water Supply:
 - A. The well is to be drilled with both fresh and brine water to be hauled to the location by truck and will be bought from commercial sources.
- 6. Source of Construction Material:
 - A. Any caliche required for construction of the well pad will be obtained from the existing pit located on Fee land in the SW-NW 1/4 of Section 23, T23S, R28E.
- 7. Methods of Handling Waste Disposal:
 - A. Drill cuttings will be disposed of in the drilling pits.
 - B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
 - C. Oil produced during operations will be stored in tanks and hauled off site.
 - D. Human sewage will be contained in a portable chemical toilet, transported from the site and disposed of at an approved site.
 - E. Trash will be deposited in a metal container and hauled to an approved disposal site.
 - F. Within 30 days following drilling and/or completion operations, trash and debris will be hauled to an approved disposal site.
- 8. Ancillary Facilities

None

- 9. Well site Layout:
 - A. Exhibit C shows the dimensions of the well pad. Location of the major rig components, and well pad orientation are shown.
 - B. Topography of the area is relatively level across the entire location. Fills should be no more than 3' deep.

 The location will be capped with 4" to 6" of caliche.
 - C. No reserve pit will be used.

BLOW OUT PRESENTION EQUIPMEN()



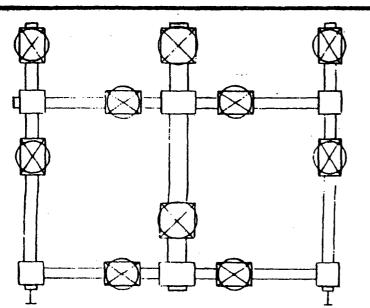
BOP Stack

I Rucker Shaffer "B" double ram 10" - 3000 psi WP

Closing Unit

- Hydril model 80 three station accumulator
- Controls located in accumulator house and on rig floor

CHOKE MANIFOLD



900 Series, 3000 psi WP

Exhibit D