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

Form 3160 -3 (April 2004)

UNITED STATES

RECEIVED

FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

DEPARTMENT OF THE II BUREAU OF LAND MANA		FEB 0 2	1 200r	5. Lease Serial No. NM 36192		
APPLICATION FOR PERMIT TO D				6. If Indian, Allotee o	r Tribe Name	
la. Type of work: DRILL REENTE	R			7. If Unit or CA Agreet	ment, Name and	No.
lb. Type of Well: Oil Well Gas Well Other	Sit	ngle ZoneMultip	ole Zone	8. Lease Name and W Lookout Federa		
2. Name of Operator McKay Oil Corporation				9. API Well No.	- 637	43
3a. Address PO Box 2014 Roswell, NM 88202-2014 3b. Phone No. (include area code) 505-623-4735			10. Field and Pool, or Ex	10. Field and Pool, or Exploratory W. Pecos ABO Slope		
4. Location of Well (Report location clearly and in accordance with any	State requirem	vents.*)		11. Sec., T. R. M. or Blk	c. and Survey or A	Атеа
At surface 1680' FNL & 1680' FEL At proposed prod. zone				Unit G, Sec. 9, 7	Г6S, R22E	
14. Distance in miles and direction from nearest town or post office* Approximately 25 miles				12. County or Parish Chaves	13. Sta	NM
15. Distance from proposed* 1680' location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)	16. No. of a	cres in lease	17. Spacir	ng Unit dedicated to this we	ell	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 20. BLM/E 4300'		BIA Bond No. on file			
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4354'	22 Approxis	mate date work will sta	rt*	23. Estimated duration 7-10 days		
4334	24. Attac			7-10-days		
The following, completed in accordance with the requirements of Onshoro	e Oil and Gas	Order No.1, shall be a	ttached to th	nis form:		
Well plat certified by a registered surveyor. A Drilling Plan.		4. Bond to cover the Item 20 above).	he operation	ons unless covered by an e	xisting bond on	file (see
 A Surface Use Plan (if the location is on National Forest System I SUPO shall be filed with the appropriate Forest Service Office). 	Lands, the	Operator certific Such other site authorized office	specific inf	Formation and/or plans as t	may be required	by the
25. Signature James Mary		(Printed/Typed) James L. Schultz		1	Date 10/14/2004	4
Title Agent						
Approved by (Signature) /S/LAPRY D. BRAY	Name	(Printed/Typed)	S/LARI	RY D. BHAY	PFEB (1 20
Title Assistant Field Manager,	Office	ROSWELL FII	ELD OF	FICE APPR	ROVED FOR	RIYEAF
Lands And Minerals Application approval does not warrant or certify that the applicant holds conduct operations thereon. Conditions of approval, if any, are attached.	s legal or equi				ititle the applicar	itto
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cr States any false, fictitious or fraudulent statements or representations as t			willfully to 1	make to any department or	agency of the	United

*(Instructions on page 2)

State of New Mexico

STRICT I 1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 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 IV WELL LOCATION AND ACREAGE DEDICATION PLAT ☐ AMENDED REPORT 1220 S. ST. FRANCIS DR., SANTA FR, NM 87605 API Number Pool Code Pool Name Property Code Property Name Well Number LOOKOUT FEDERAL B 8 OGRID No. Operator Name Elevation McKAY OIL CORPORATION 4354

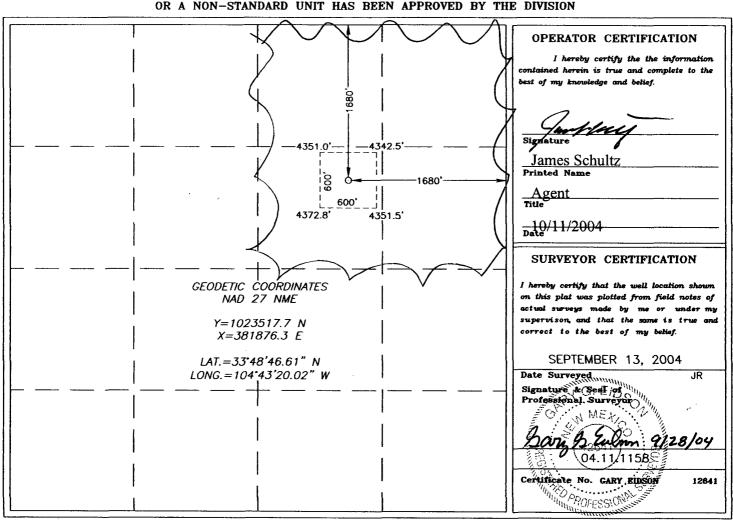
Surface Location Feet from the North/South line | Feet from the | Bast/West

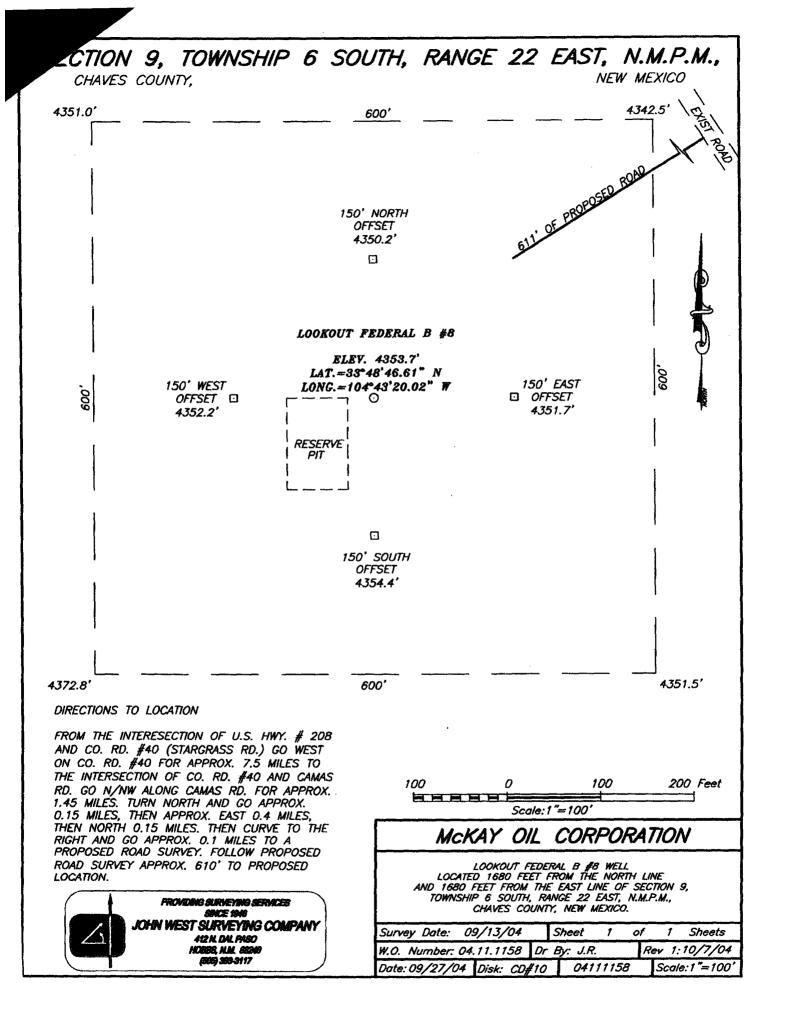
UL or lot No. Section Range Lot Idn East/West line Township County G 9 6-S 22-E 1680 1680 **EAST** NORTH CHAVES

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
Dedicated Acres	s 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





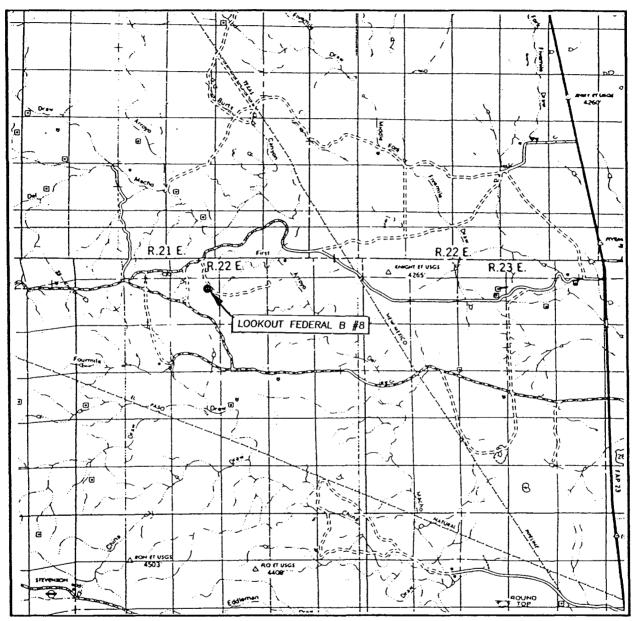
PERTINENT INFORMATION

FOR MCKAY OIL CORPORATION LOOKOUT FEDERAL B #8 1680' FNL & 1680' FEL Sec. 9, T6S, R22E

Chaves County, New Mexico

LOCATED:	25 air miles Northwest of Roswell, NM.
LEASE NUMBER:	NM 36192
LEASE ISSUED:	5/01/1981
RECORD LESSEE:	McKay Petroleum Corporation
BOND COVERAGE:	Operator's \$25,000 Statewide
AUTHORITY TO OPERATE:	Assignment of Operating Rights
ACRES IN LEASE:	2400.00
SURFACE OWNERSHIP:	Federal
OWNER:	USA-BLM
POOL RULES:	General Statewide Rules
EXHIBITS:	A. Road and Well MapB. Contour MapC. Rig LayoutD. BOP DiagramE. Lease Map

VICINITY MAP



SCALE: 1" = 2 MILES

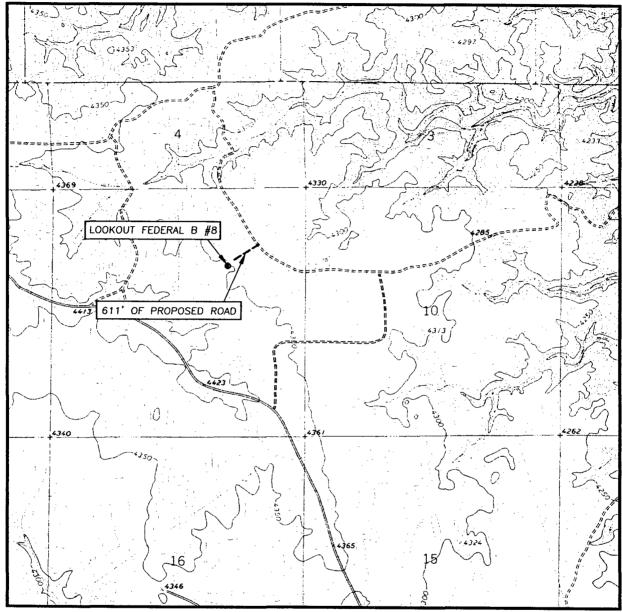
SEC. <u>9</u>	TWP. 6-S RGE. 22-E
SURVEY	N.M.P.M.
COUNTY	CHAVES
DESCRIPTIO	N <u>1680' FNL & 1680' FEL</u>
ELEVATION_	4354'
OPERATOR_	McKAY OIL CORPORATION
LEASE	LOOKOUT FEDERAL B



PROVIDING SURVEYING SERVICES SINCE 1948 JOHN WEST SURVEYING COMPANY 412 N. DAL PASO HOBBS, N.M. 88240 (506) 383-3117



LOCATION VERIFICATION MAP



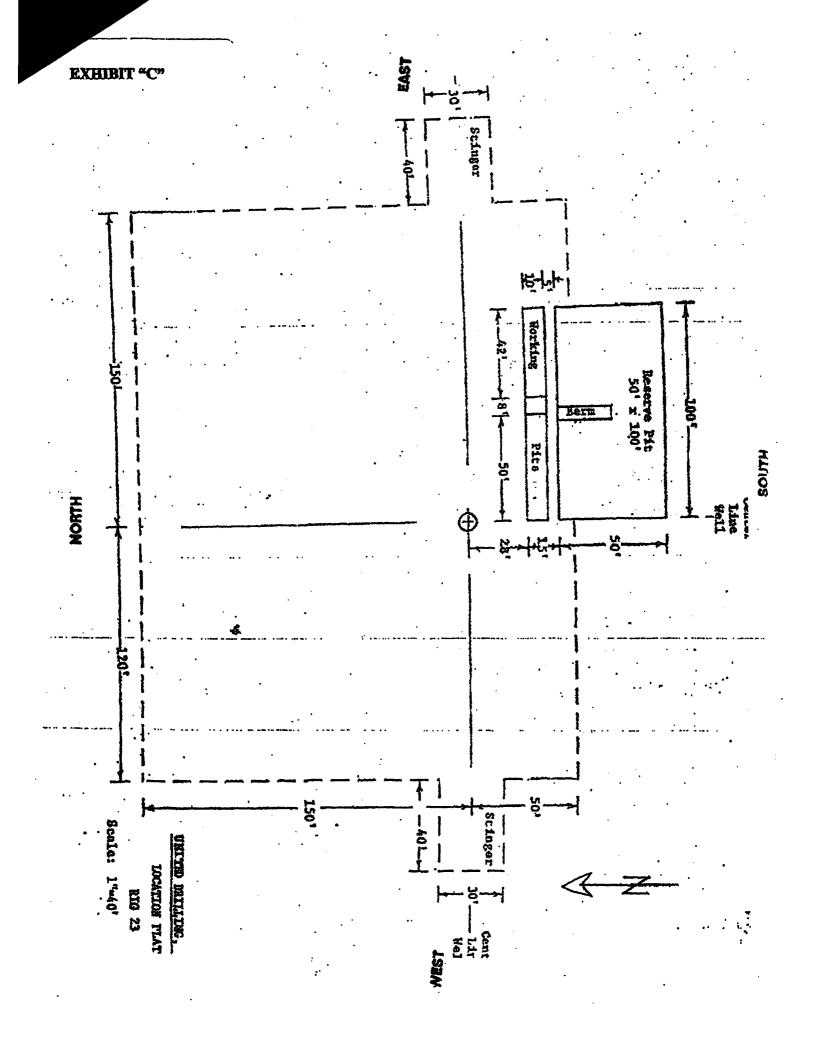
SCALE: 1" = 2000'

CONTOUR INTERVAL: MESA SW, N.M. - 10'

SEC. 9 TWP. 6-S RGE. 22-E
SURVEY N.M.P.M.
COUNTYCHAVES
DESCRIPTION 1680' FNL & 1680' FEL
ELEVATION 4354'
McKAY OPERATOR OIL CORPORATION
LEASE LOOKOUT FEDERAL B
U.S.G.S. TOPOGRAPHIC MAP MESA SW, N.M.



PROVIDING SURVEYING SERVICES
SINCE 1946
IOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 383-3117

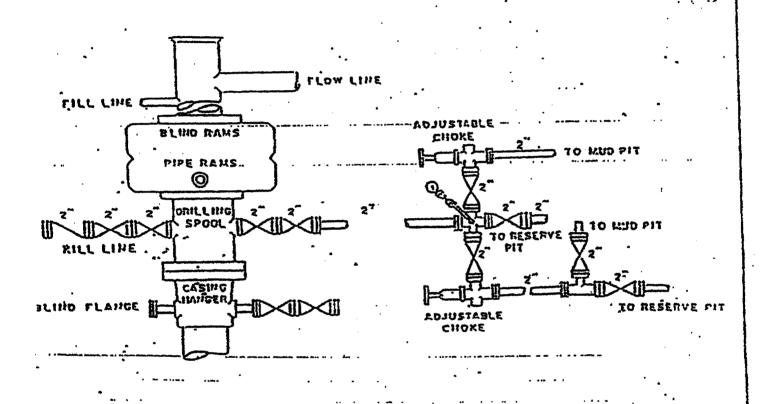


MCKAY OIL COPRORATION

Lookout Federal B #8

SW4NE4 of Section 9, T6S, R22E Chaves County, New Mexico

EXHIBIT "D"



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SUPPLEMENTAL DRILLING DATA

MCKAY OIL CORPORATION LOOKOUT FEDERAL B #8 1680' FNL & 1680' FEL Sec. 9, T6S, R22E

Chaves County, New Mexico

The following items supplement Form 3160-3 in accordance with instruction contained in Onshore Oil and Gas Order No. 1:

- 1. SURFACE FORMATION: San Andres
- 2. ESTIMATED TOPS OF GEOLOGICAL MARKERS:

Yeso - 1077' Tubb - 2573'

Abo - 2801'

3. ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATIONS:

Fresh Water - In surface formation above 600'

Gas - In Abo Formation below 2801'

4. PROPOSED CASING PROGRAM:

12-1/4" hole 8-5/8" J-55 24# 950' + 7-7/8" hole 5-1/2" J-55 15.5# TD

5. PROPOSED CEMENTING PROGRAM:

Surface to 950' class "C" - 350 sxs cemented and circulated

to surface.

Production Casing class "C" - 300 sxs cemented with adequate

cover.

6. PROPOSED DRILLING PROGRAM:

McKay Oil Corporation proposes to drill and test the ABO formation. Approximately 950' of surface casing will be set and cemented to surface. 5-1/2" production casing will be set and cemented with adequate cover, perforated and stimulated as needed for production.

- 7. PRESSURE CONTROL EQUIPMENT: Blowout preventer will consist of 2 ram, 2M system. A sketch of the BOP is attached.
- 8. CIRCULATION MEDIUM: Air Drilling
- 9. <u>AUXILIARY EQUIPMENT</u>: Full-opening drill string safety valve fit for the drill string in use, will be kept on the rig floor at all times.
- 10. TESTING, LOGGING AND CORING PROGRAM:

Samples:

Catch samples from surface to TD.

DST's:

None.

Logging:

GR-CNL, Dual Lateral MSFL from

surface to TD.

Coring:

None.

- 11. <u>ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE</u>: None anticipated.
- 12. <u>ANTICIPATED STARTING DATE</u>: On or before November 1, 2004 Drilling should be completed within 10 days. Completion operations (perforations and stimulation) will follow drilling operations.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

MCKAY OIL CORPORATION LOOKOUT FEDERAL B #8 1680' FNL & 1680' FEL Sec. 9, T6S, R22E

Chaves County, New Mexico

NM 36192

This plan is submitted with the application for permit to drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a road map showing the location of the proposed well is staked. The well is approximately 21 miles north of Roswell, NM.
- B. <u>Directions</u>: Heading North out of Roswell, New Mexico on U.S. 285 for approximately 21 miles and turn left on county road just before mile marker 137 (Cottonwood Road). Go approximately 2.0 miles, then turn north for approximately 2 miles to the lease road, turn west for approximately 6 1/2 miles, then turn southeast 1/2 mile to the location.

2. PLANNED ACCESS ROAD:

- A. Length and Width: 1/2 mile long and 20' wide.
- B. Surface Materials: Sand, gravel and caliche where needed.
- C. Turnouts: None
- D. Maximum Grade: No more than 3%.
- E. <u>Drain Design</u>: Road will have drainage ditches on both sides and a crowned top, with culverts and/or low water crossings as necessary.
- F. Culverts: None.
- G. Cuts and Fill: None.

- H. Gates, Cattle guards: None needed. Already in place.
- I. Top Soil: Very little.

3. LOCATION OF EXISTING WELLS:

A. A map indicating the location of adjacent wells is attached.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A: <u>See Exhibit "A"</u> for location of existing lease wells. If the well is commercial, production facilities and tank battery will be constructed.
- B. <u>Cuts and Fills</u>: Less than 30' of cut and fill will be required for the pad size of 400' x 400'. (See Exhibit "D")
- C. <u>Top Soil</u>: Any top soil which can sustain plant vegetation will be bladed and piled for future rehabilitation.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. Water will be purchased from a commercial source and trucked to the location over existing and proposed access roads.

6. SOURCE OF CONSTRUCTION MATERIALS:

A. Closest Pit to the location.

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. Water produced during test will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.

- E. Trash, waste paper, garbage, and junk will be placed in portable receptacles and hauled from the location upon completion of drilling and completion operations.
- F. All trash and debris will be removed from the well site within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

A. None necessary.

9. WELL SITE LAYOUT:

- A. Exhibit "C" indicates the relation location and dimensions of the well pad, mud pits, reserve pit and major rig equipment.
- B. The location slopes very slightly to the east and southeast.
- C. The reserve pit will be lined with plastic to prevent loss of water.

10. PLANS FOR RESTORATION OF THE SURFACE:

- 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 an aesthetically pleasing conditions as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. If the well is non-productive or abandoned, the disturbed area will be rehabilitated using the preserved soil mentioned in 2.I. and 4.C.

11. OTHER INFORMATION:

- A. <u>Topography</u>: The topography is a gradual slope to the south in the <u>vicinity</u> of the access road and south-southwest in the vicinity of the drill pad. Regional slope is south-southwest toward the Arroyo del Macho which is south-southwest of the location.
- B. Soil: Sandy loam with limestone outcropping.

- C. <u>Flora and Fauna</u>: The flora consists of typical desert vegetation, such as yucca, cactus and various grasses. Fauna consists of desert wildlife such as coyotes, rodents, snakes, dear and antelope.
- D. <u>Ponds and Streams</u>: Arroyo del Macho south-southwest of the proposed location.
- E. <u>Residences and other Structures</u>: The David Corn ranch house (old W.R. McKnight Ranch) is approximately 1 mile to the south-southwest.
- F. <u>Archaeological</u>, <u>Historical and Other Cultural Sites</u>: An Archaeologist from Roswell, NM will be contracted to check and approve this site and access road.
- G. Land Use: Grazing.
- H. Surface Ownership: USA-BLM.

12. OPERATOR'S REPRESENTATIVE:

Humberto Perez Roswell, New Mexico (505) 623-4735 (O) (505) 626-8580 (C)

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 exists; that he statements made in this plan are, to the best of my knowledge true and correct; that the work associated with the operations proposed herein will be performed by MCKAY OIL CORPORATION and its subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to provisions of 18 USC 1001 for the filing of a false statement.

SIGNATURE

10-18-04
DATE

MCKAY OIL CORPORATION LOOKOUT FEDERAL B #8

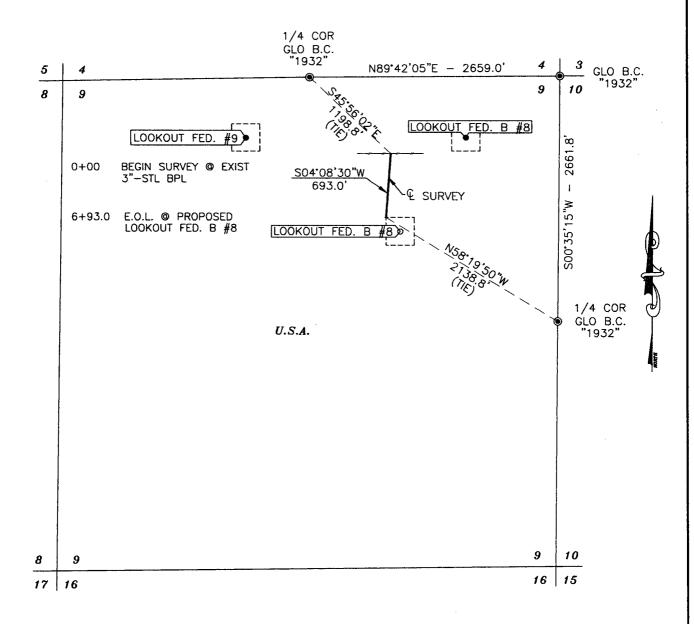
1680' FNL & 1680' FEL Sec. 9, T6S, R22E

Chaves County, New Mexico

Other Specific Information and Plans

Proposed Pipeline 50' pipeline route as set forth on attached survey plat

SECTION 9, TOWNSHIP 6 SOUTH, RANGE 22 EAST, N.M.P.M., CHAVES COUNTY, NEW MEXICO.

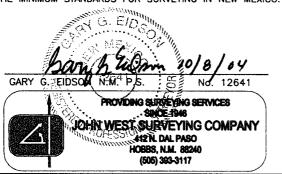


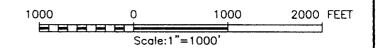
DESCRIPTION

A STRIP OF LAND 50.0 FEET WIDE AND 693.0 FEET OR 0.131 MILES IN LENGTH CROSSING USA LAND IN SECTION 9, TOWNSHIP 6 SOUTH, RANGE 22 EAST, NMPM, CHAVES COUNTY, NEW MEXICO AND BEING 25.0 FEET LEFT AND 25.0 FEET RIGHT OF THE ABOVE CENTERLINE.

NOTE: BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

I HEREBY CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.





McKAY OIL CORPORATION

SURVEY A PIPELINE IN
SECTION 9, TOWNSHIP 6 SOUTH, RANGE 22 EAST,
N.M.P.M., CHAVES COUNTY, NEW MEXICO

Survey Date: 10)/5/04	Sheet	1	of	1	Sheets
W.O. Number: 0	4.11.1158	Dr.By: J	. RIV	ERO		
Date: 10/7/04	DISK:CD#10	04111	158_	PL		

Southwest Petroleum Land Services, LLC

100 N. Pennsylvania Roswell, NM 88203 (505) 622-6713 (505) 622-9282 fax

October 14, 2004

Oil Conservation Division Bryan Arrant 1301 W. Grand Avenue Artesia, NM

Re: H2S Contingency Plan-Lookout Federal B #8

Bryan,

Please see attached Contingency Plan-H2S for the Lookout Federal B #8 located in Sec 9, T6S, R22E 1680' FNL & 1680' FEL in Chaves County. Should you need any further information, please contact me at 505-626-6879.

Sincerely,

dim Schultz

Agent for McKay Oil Corporation

MCKAY OIL CORPORATION PO BOX 2014 ROSWELL, NM 88202-2014 505-623-4735

HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN FOR THE LOOKOUT FEDERAL B #8
LOCATED IN SEC 9, T6S, R22E IN CHAVES COUNTY, NEW MEXICO

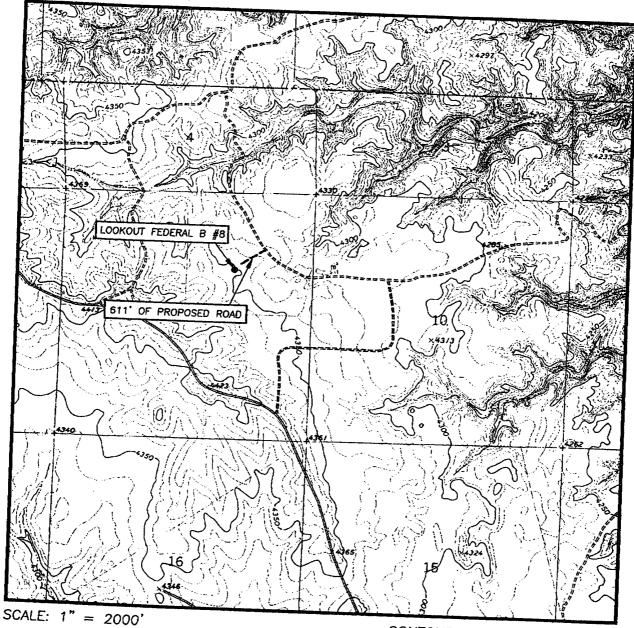
NO HYDROGEN SULFIDE OR OTHER HAZARDOUS GASES OR FLUIDS HAVE BEEN ENCOUNTERED, REPORTED OR KNOWN TO EXIST AT THIS DEPTH IN THIS AREA.

LOOKOUT FEDERAL B #8

This is an open drilling Site. H2S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H2S, including warning signs, wind indicators and H2S monitor. Pumpers carry (MICROPACKS) H2S pocket testers at all times. Pulling units have an H2S indicator that puts off light and alarm on any indication of H2S being present.

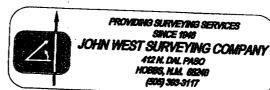
MAPS - SEE ATTACHED

LOCATION VERIFICATION MAP



CONTOUR INTERVAL: MESA SW, N.M. - 10'

SEC. <u>9</u> TWP. 6-S RGE. 22-E
SURVEYN.M.P.M.
COUNTYCHAVES
DESCRIPTION 1680' FNL & 1680' FEL
ELEVATION4354'
OPERATOR OIL CORPORATION
LEASELOOKOUT FEDERAL B
U.S.G.S. TOPOGRAPHIC MAP MESA SW, N.M.



EMERGENCY PROCEDURES

In the case of a release of gas containing H2S, the first responder must isolate the area and prevent entry by other persons into the 100 ppm ROE. Additionally the first responder must evacuate any public spaces encompassed by the 100 ppm ROE. First responder must take care not to injure themselves during this operation. Company and or local officials must be contacted to aid in this operation. Evacuation of the public should be beyond the 100 ppm ROE.

All responders must have training in the detection of H2S measures for protection against the gas, equipment used for protection and emergency response. Additionally, responders must be equipped with H2S monitors and air packs in order to control the release. Use the "buddy system" to ensure no injuries occur during the response.

IGNITION OF GAS SOURCE

Should control of the well be considered lost and ignition considered, take care to protect against exposure of sulfur Dioxide (SO2). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas.

CHARACTERISTICS OF H2S & SO2

COMMON NAME	CHEMICAL FORMULA	SPECIFIC GRAVITY	THRESHOLD LIMIT	HAZARDOUS LIMIT	LETHAL CONCENTRATION
HYDROGEN SULFIDE	H2S	1.189 AIR=1	10 PPM4	100 PPM/HR	600 PPM
SULFUR DIOXIDE	SO2	2.21 AIR=1	2 PPM	N/A	1000 PPM

CONTACTING AUTHORITIES

McKay Oil Corporation personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. be prepared with all information available. The following call list of essential and potential responders must be in coordination with the State of New Mexico's Hazardous Materials Emergency Response Plan (HMER).

MCKAY OIL CORPORATION CALL LIST

CHAVES COUNTY (505)	OFFICE	CELL PHONE	HOME PHONE
HUMBERTO PEREZ	625-1154	626-8580	627-1985
JIM ROBINSON	625-1154	626-8579	624-1093
APRIL MCKAY	623-4735	626-8575	625-2848

CHAVES COUNTY (505)

ROSWELL

STATE POLICE 622-7200

CITY POLICE 911 or 624-6770

SHERIFF'S OFFICE 624-6500

AMBULANCE 911

FIRE DEPARTMENT 624-6800

LEPC (Local Emergency Planning Committee) Teresa Barncastle 624-6770

ext 129

NMOCD 748-1283 ENMMC (Hospital) 622-8170