1301 W. Grand Avenue Artesia, NM 8821β

Form 3160-3 (April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR

FORM APPRO	VED
OMB No. 1004-0	137
Expires March 31	, 2007

#### Lease Serial No. NM 32308

BUREAU OF LAND MAN	NWI 32308			
APPLICATION FOR PERMIT TO	6. If Indian, Allotee or Tribe Name			
a. Type of work:		(857 iple Zone	7 If Unit or CA Agreet  8. Lease Name and W.  LL & E B Feder  9. API Well No.	ell No.
Sa. Address PO Box 2014 Roswell, NM 88202-2014	3b. Phone No. (include area code) 505-623-4735	740	10. Field and Pool, or Ex W. Pecos ABO	ploratory
4. Location of Well (Report location clearly and in accordance with arr At surface 860' FNL & 1887' FWL At proposed prod. zone	v State requirements.*)		11. Sec., T. R. M. or Blk Lot J, Sec. 1, T6	•
4. Distance in miles and direction from nearest town or post office*  Approximately 25 miles			12. County or Parish Chaves	13. State
5. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of acres in lease 741.20		g Unit dedicated to this we	il
8. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 4300'	20. BLM/I	BIA Bond No. on file	
1. Elevations (Show whether DF, KDB, RT, GL, etc.) 4222'	22 Approximate date work will st 09/01/2005	art*	23 Estimated duration 7-10 days	
	24. Attachments			
he following, completed in accordance with the requirements of Onshor  Well plat certified by a registered surveyor.  A Drilling Plan.  A Surface Use Plan (if the location is on National Forest System Supposed	4. Bond to cover Item 20 above) Lands, the 5. Operator certif	the operation	is form:  ns unless covered by an experimental or and/or plans as n	
5. Signature	Name (Printed/Typed)  James L. Schultz			08/24/2005
Agent	N. O. L. IVI. D.			
Approved by (Signature)	Name (Printed/Typed)			APR 1220
Assistant Field Manager,	Office ROSWELL	FIELD O	FFICE	
Lands And Minerals Application approval does not warrant or certify that the applicant holds	s legal or equitable title to those rig	hts in the sub	ject lease which would ent	title the applicant to

\*(Instructions on page 2)

NSL- 5372

RECEIVED

APR 1 4 2006

OCU-ARTERIA

If earthen pits are used in association with the drilling of this well, an OCD pit permit must be obtained prior to pit construction.

#### State of New Mexico

DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 66240

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

API Number	Pool Code	Pool Name
Property Code	Property Name	Well Number
	LL & E FEDERAL B	4
OGRID No.	Operator Name	Elevation
	McKAY OIL CORPORATION	4222'

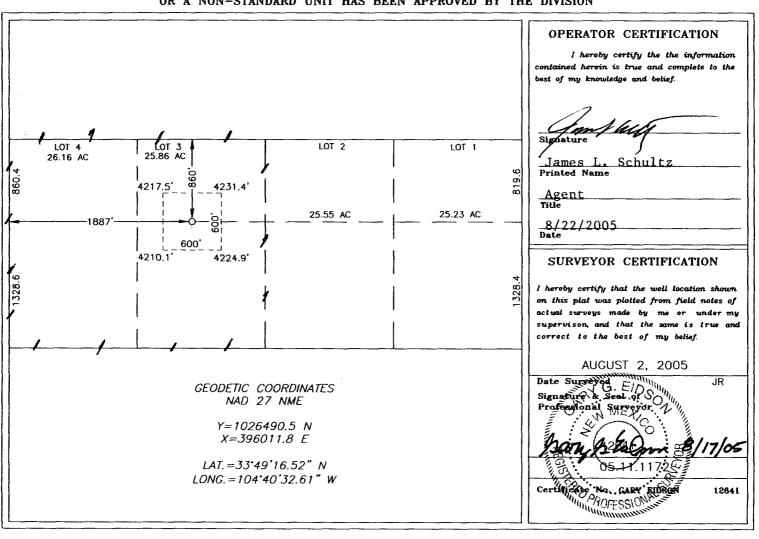
#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
FN	1	6-S	22-E		860	NORTH	1887	WEST	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	Joint o	or Infill Co	nsolidation (	Code Or	der No.				
132700		I							

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



District II
1301 W. Grand Avenue, Artesia, NM 88240
District III
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

#### State of New Mexico Energy Minerals and Natural Resources

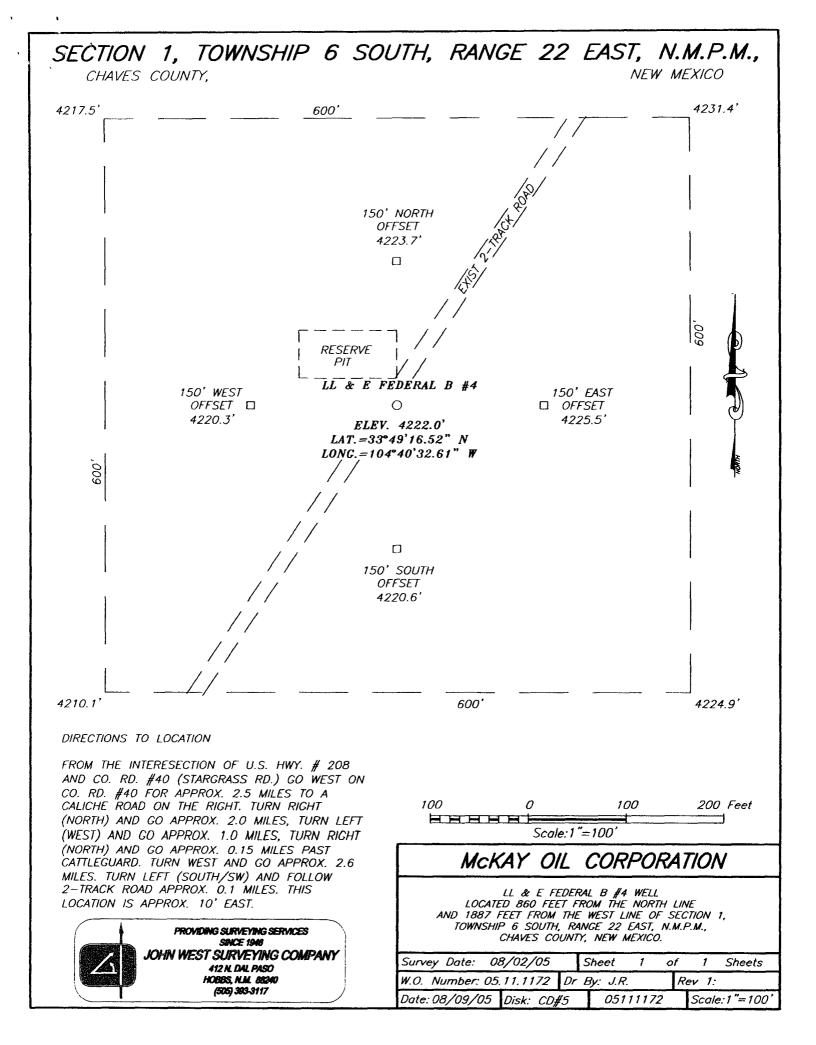
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Form C-144

June 1, 2004

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered Type of action: Registration of a pit	d by a "general plan"? Yes 🔀 No 🔲 Sub or below-grade tank 🏿 Closure of a pit or below-gr	ade tank
Operator: MCKAY OIL CORPORATION Teleph	none: _505-623-4735 e-mail address: _april@mckayo	SEP - 1 2005
Address: PO Box 2014 Roswell, NM 88202-2014	95-638/7 U/L or Qtr/Qtr <u>F</u> Sec <u>1</u> T	
	U/L or Qtr/Qtr F Sec 1 T	6S R 22E
County: <u>CHAVES</u> Latitude Longitude	NAD: 1927 🗌 1983 🗎 Surfac	e Owner Federal 🔯 State 🔲 Private 🔲 Indian 🗍
Pit	Below-grade tank	
Type: Drilling Production Disposal	Volume:bbl Type of fluid:	
Workover ☐ Emergency ☐	Construction material:	
Lined 🛛 Unlined 🗌	Double-walled, with leak detection? Yes  If no	ot, explain why not.
Liner type: Synthetic M Thickness 12 mil Clay 1		,
Pit Volumebbl		
	Less than 50 feet	(20 points)
Depth to ground water (vertical distance from bottom of pit to seasonal	50 feet or more, but less than 100 feet	(10 points)
high water elevation of ground water.)	100 feet or more	
		( 0 points)
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)
water source, or less than 1000 feet from all other water sources.)	<u>No</u>	(0 points)
	Less than 200 feet	(20 points)
Distance to surface water: (horizontal distance to all wetlands, playas,	200 feet or more, but less than 1000 feet	(10 points)
irrigation canals, ditches, and perennial and ephemeral watercourses.)	1000 feet or more	( 0 points)
	Ranking Score (Total Points)	
		0
If this is a pit closure: (1) attach a diagram of the facility showing the pit's		
your are burying in place) onsity offsite I If offsite, name of facility		
remediation start date and energiate. (4) Groundwater encountered: No 🗌 Y		ft. and attach sample results. (5)
Attach soil sample results and a diagram of sample locations and excavations.		
Additional Comments:		
I hereby certify that the information above is true and complete to the best of been/will be constructed or closed according to NMOCD guidelines Date: 8/23/05	, a general permit , or an (attached) alternative	
Printed Name/Title James L. Schultz, Agent		
Your certification and NMOCD approval of this application/closure does not otherwise endanger public health for the environment. Not does it relieve the regulations.	ot relieve the operator of liability should the contents of operator of its responsibility for compliance with any	f the pit or tank contaminate ground water or other federal, state, or local laws and/or
Approval:		055
Printed Name/Title	Signature / OC	) <b>SEP 72005</b>
	1- 1	Date
	000	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \



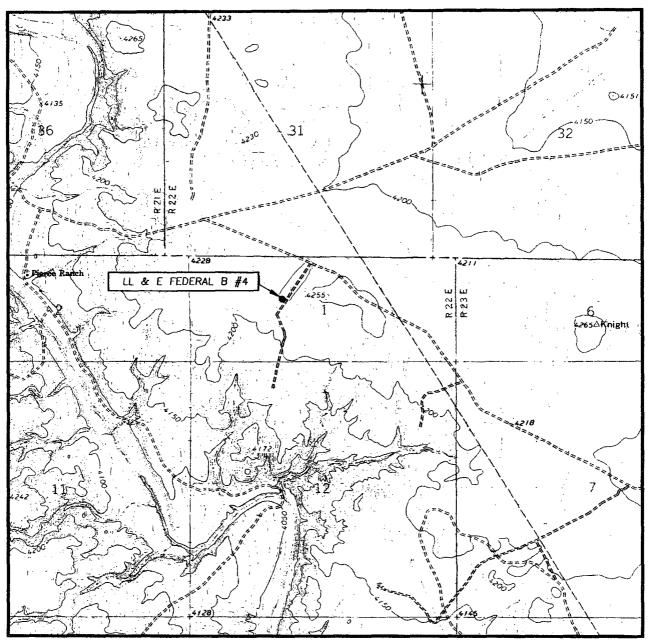
#### PERTINENT INFORMATION

#### FOR MCKAY OIL CORPORATION LL&E B Federal #4 860' FNL & 1887' FWL Sec. 1, T6S, R22E

#### Chaves County, New Mexico

LOCATED:	25 air miles Northwest of Roswell, NM.
LEASE NUMBER:	NM 32308
LEASE ISSUED:	8/8/1978
RECORD LESSEE:	McKay Petroleum Corporation
BOND COVERAGE:	Operator's \$25,000 Statewide
AUTHORITY TO OPERATE:	Assignment of Operating Rights
ACRES IN LEASE:	741.20
SURFACE OWNERSHIP:	Federal
OWNER:	USA-BLM
POOL RULES:	General Statewide Rules
EXHIBITS:	<ul><li>A. Road and Well Map</li><li>B. Contour Map</li><li>C. Rig Layout</li><li>D. BOP Diagram</li></ul>
	E Lease Map

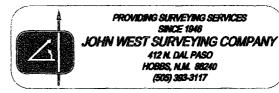
### LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

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

SEC. 1 TWP. 6-S RGE. 22-E
SURVEY N.M.P.M.
COUNTYCHAVES
DESCRIPTION 860' FNL & 1887' FWL
ELEVATION 4222'
McKAY OPERATOR OIL CORPORATION
LEASE LL & E FEDERAL B
U.S.G.S. TOPOGRAPHIC MAP MESA SW, N.M.



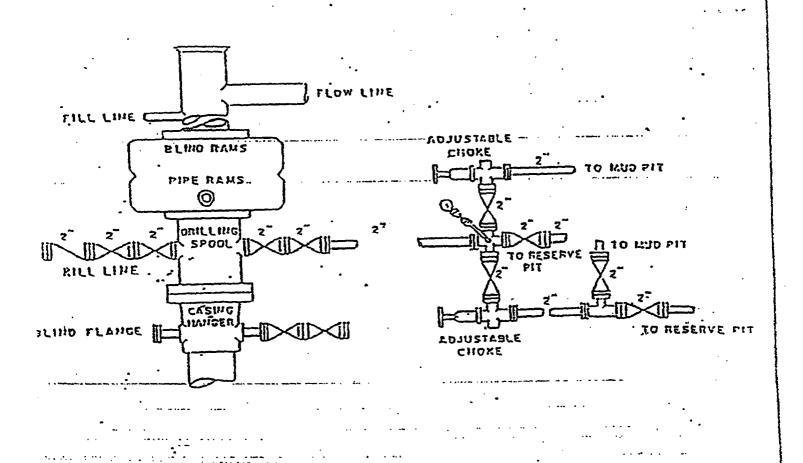


#### MCKAY OIL COPRORATION

LL&E B Federal #4

Lot 3 of Section 1, T6S, R22E Chaves County, New Mexico

EXHIBIT "D"



#### SUPPLEMENTAL DRILLING DATA

## MCKAY OIL CORPORATION LL&E B Federal #4 860' FNL & 1887' FWL Sec. 1, 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 - 949' Tubb - 2445' Abo - 2658'

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

Fresh Water - In surface formation above 600'
Gas - In Abo Formation below 2658'

#### 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. <u>PRESSURE CONTROL EQUIPMENT</u>: Blowout preventer will consist of 2 ram, 2M system. A sketch of the BOP is attached.
- 8. CIRCULATION MEDIUM: Mud 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>: As soon as possible. 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 LL&E B Federal #4 860' FNL & 1887' FWL Sec. 1, T6S, R22E

#### Chaves County, New Mexico

#### NM 32308

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>: From the Intersection of US Highway #208 and County Road #40 (Stargrass Road) go west on County Road #40 for approximately 2.5 miles to a caliche road on the rights. Turn right (North) and go approximately 2.0 miles, turn left (West) and go approximately 1.0 miles, turn right (North) and go approximately 0.15 miles past cattle guard. Turn west and go approximately 2.6 miles. Turn left (South/southwest) and follows 2-track road approximately 0.1 miles. This location is approximately 10' east.
- A. Length and Width: 1/8 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 20' of cut and fill will be required for the pad size of 300' x 250'. (See Exhibit "D")
- C. <u>Top Soil</u>: Any topsoil, 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.
- 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. Archaeological, Historical and Other Cultural Sites: An Archaeologist from Bent, 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 sub-contractors 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.

## MCKAY OIL CORPORATION LL&E B Federal #4

860' FNL & 1887' FWL Sec. 1, T6S, R22E

Chaves County, New Mexico

Other Specific Information and Plans

Proposed Pipeline
50' pipeline route as set forth on attached survey plat
Buried 2" steel low pressure (30-50 psi) pipeline

## Southwest Petroleum Land Services, LLC

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

August 23, 2005

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

Re: H2S Contingency Plan-LL&E B Federal #4

Bryan,

Please see attached Contingency Plan-H2S for the LL&E B Federal #4 located in Sec 1, T6S, R22E 860' FNL & 1887' FWL in Chaves County. Should you need any further information, please contact me at 505-626-6879.

Sincerely,

Jim 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 LL&E B FEDERAL #4
LOCATED IN SEC 1, 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.

#### LL&E B FEDERAL #4

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

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

# HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN FOR THE LL&E B FEDERAL #4 LOCATED IN SEC 1, T6S, R22E IN CHAVES COUNTY, NEW MEXICO

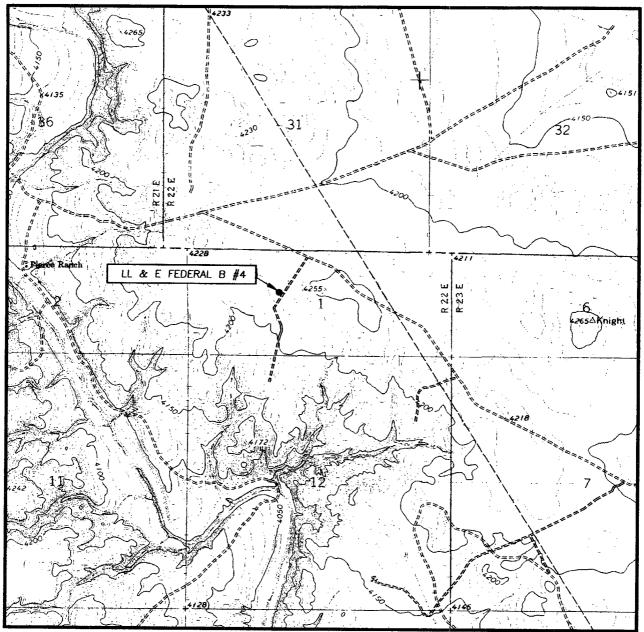
NO HYDROGEN SULFIDE OR OTHER HAZARDOUS GASES OR FLUIDS HAVE BEEN ENCOUNTERED, REPORTED OR KNOWN TO EXIST AT THIS DEPTH IN THIS AREA.

#### LL&E B FEDERAL #4

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



SCALE: 1" = 2000'

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

SEC. <u>1</u> TWP. <u>6-S</u> RGE. <u>22-E</u>
SURVEY N.M.P.M.
COUNTY CHAVES
DESCRIPTION 860' FNL & 1887' FWL
ELEVATION 4222'
McKAY OPERATOR OIL CORPORATION
LEASE LL & E FEDERAL B
U.S.G.S. TOPOGRAPHIC MAP MESA SW, N.M.



PROVIDING SURVEYING SERVICES SINCE 1948 JOHN WEST SURVEYING COMPANY 412 N. DAL PASO HOBBS, N.M. 88240 (505) 383-3117

#### **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

#### III. DRILLING OPERATION REQUIREMENTS:

#### A. GENERAL DRILLING REQUIREMENTS:

- 1. The Bureau of Land Management (BLM) is to be notified at the Roswell Field Office, 2909 West Second St., Roswell NM 88201, (505) 627-0272 in sufficient time for a representative to witness:
- A. Spudding B. Cementing casing: 85% inch 5½ inch C. BOP tests
- 2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
- 3. Submit a Sundry Notice (Form 3160-5, one original and five copies) for each casing string, describing the casing and cementing operations. Include pertinent information such as; spud date, hole size, casing (size, weight, grade and thread type), cement (type, quantity and top), water zones and problems or hazards encountered. The Sundry shall be submitted within 15 days of completion of each casing string. The reports may be combined into the same Sundry if they fall within the same 15 day time frame.
- 4. The API No. assigned to the well by NMOCD shall be included on the subsequent report of setting the first casing string.

#### B. CASING:

- 1. The \_85/8 inch surface casing shall be set at <u>950'</u> and cement circulated to the surface. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.
- 2. The minimum required fill of cement behind the 5½ inch intermediate casing is cement shall extend upward a minimum of 500 feet above the uppermost perforation.

#### C. PRESSURE CONTROL:

- 1. All BOP systems and related equipment shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2. The BOP and related equipment shall be installed and operational before drilling below the 8% inch casing shoe and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.
- 2. Minimum working pressure of the blowout preventer and related equipment (BOPE) shall be 2000 psi.
- 3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the tests.
- A. The results of the test shall be reported to the appropriate BLM office.
- B. Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures. Use of drilling mud for testing is not permitted since it can mask small leaks.
- C. Testing must be done in a safe workman-like manner. Hard line connections shall be required.