Form 3160-3 (April 2004)

N.M. Oil Cons. DIV-Dist. 2 1301 W. Grand Avenue

UNITED ATESIA, NM 88210

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Lease Serial No. NM 32308

6. If Indian, Allotee or Tribe Name

APPLICATION FOR PERMIT TO	DRILL OF	REENTER		G. H Halan, Allower	or Tribotiva	mv
la. Type of work:	ER			7 If Unit or CA Agr	eement, Nam 名と	e and No.
lb. Type of Well: ☐ Oil Well Gas Well ☐ Other	✓ Si	ngle ZoneMultip	ple Zone	8. Lease Name and LL & E B Fee		
2. Name of Operator McKay Oil Corporation	1442	4		9. API Well No.	5-6	3794
3a. Address PO Box 2014 Roswell, NM 88202-2014	505-62	. (include area code) 3-4735		10. Field and Pool, or W. Pecos AB	• •	8274
4. Location of Well (Report location clearly and in accordance with at At surface 1650' FNL & 1980' FEL	ny State requirem	RECEIVE	Û	11. Sec., T. R. M. or I		
At proposed prod. zone		DEC 2.0 20	05	Unit G, Sec. 1	2, T6S, RZ	2E
14. Distance in miles and direction from nearest town or post office* Approximately 25 miles		ODUARTE		12. County or Parish Chaves	1	3. State NM
15. Distance from proposed* location to nearest 1320'	16. No. of a	cres in lease	17. Spaci	ng Unit dedicated to this	well	
property or lease line, ft. (Also to nearest drig. unit line, if any)	741.20		160'			
 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 	19. Proposed	i Depth	20. BLM	/BIA Bond No. on file		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22 Approxi	mate date work will sta	rt*	23. Estimated duration	on	
4144'		09/01/2005		7-10 days		····
The following, completed in accordance with the requirements of Onsho	24. Atta					
Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office).		Bond to cover t Item 20 above). Operator certification.	he operation specific in	ons unless covered by au formation and/or plans a	_	`
25. Signature	Name	(Printed/Typed)			Date	
Josep Milly		James L. Schultz			08/24	/2005
Title Agent						
Approved by (Signature HORIG. SGD.) ARMANDO A. LOPEZ	Name	(Printed/Typed) (ORIG. SC	D.) ARN	IANDO 4. LOPEZ	Date	16 200
Assistant Field Manage Lands And Minerals	office	ROSWELL FI	ELD OF	Fice		
Application approval does not warrant or certify that the applicant hole conduct operations thereon. Conditions of approval, if any, are attached.	ds legal or equi	table title to those righ	ts in the su	bject lease which would	entitle the app	plicant to
Citle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a contact states any false, fictitious or fraudulent statements or representations as	crime for any p to any matter v	erson knowingly and vithin its jurisdiction.	willfully to	make to any department	or agency of	the United
*(Instructions on page 2)						
				Apapa	19/50	71 YEAR
				- 10	"EUFO!	11 YEAR
		~^~ T^				** 6

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

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

CEMENT TO COVER ALL OIL, GAS AND WATER BEARING ZONES

State of New Mexico

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

DISTRICT IV

Energy, Minerals and Natural Resources Department

DISTRICT II 1301 W. GRAND AVENUE, ARTESIA, NM 88210

Pool Code

82740

Form C-102 Submit to Appropriate District Office

Abo

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

1220 S. ST. PRANCIS DR., SANTA FE, NM 87505

API Number

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

☐ AMENDED REPORT

Property C	Code	Property Name LL & E FEDERAL B						Well Number 2		
OGRID No).	Operator Name McKAY OIL CORPORATION							Elevation 4144'	
		i			Surface Loca	ation				
UL or lot No.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County	
G	12	6-S	22-E		1650	NORTH	1980	EAST	CHAVES	
			Bottom	Hole Loc	cation If Diffe	erent From Sur	face			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Dedicated Acres	loint o	r Infill	Consolidation	Code Or	der No.	<u> </u>				
160	John		Consoniagion	J.	aci ivo.					
·	WABLE V	VILL BE	ASSIGNED '	ro THIS	COMPLETION (JNTIL ALL INTE	RESTS HAVE BE	EEN CONSOLID	ATED	
						APPROVED BY				
	I			(11	1///	//////	OPERATO	OR CERTIFICA	TION	
	1		/	/		/	И	y certify the the is		
	1		/	1			VY.	n is true and comp vledge and belief.	lete to the	
			/		1650		K			
	1		/	<i>y</i> 1			1 9	1 mis	_	
 				4135.5'_	4161.1'		Signature			
		James L. Schultz								
	· 		,	,000		-1980'	Agent			
	1		/	4119.8	4125.9		Title	2005		
	8/25/2005 Date							2005		
						<u> </u>	SURVEYO	OR CERTIFICA	TION	
	1		GEODETIC C		, , 16	, , , , ,	I hereby certify	y that the well loca		
	NAD 27 NME on this plat wa actual surveys							made by me or	under my	
				520.1 N 463.5 E	1		11 -	nd that the same i we best of my beli		
	· 		LAT.=33°4		· ·		4 4	MBER 16, 20		
	<u> </u>		LONG.=104*	40'15.28'	W 		Signature &	Seaf 60 Sun Manual Control of the Co)4 JR	
					1		San	to Galforn &	0/8/04	
				 			Certificate N	0. GARY. EIDSON	12641	
	i				1		"minin	OFESSIONAL STATES		

venue, Artesia, NM 88240 Eazos Road, Aztec, NM 87410 V. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

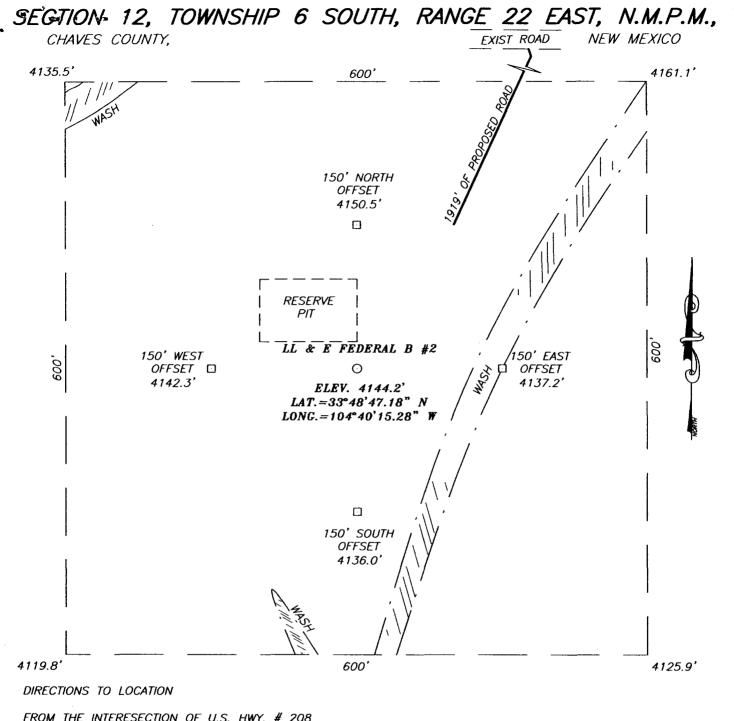
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Form C-144

June 1, 2004

Pit or Below-Grade Tank Registration or Closure

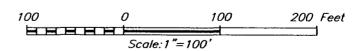
	by a "general plan"? Yes 🛛 No 🗌 Submor below-grade tank 🖾 Closure of a pit or below-grade	
Operator: MCKAY OIL CORPORATION Telepho Address: PO Box 2014 Roswell, NM 88202-2014 Facility or well name: LL&E B Federal #2 API #: County: CHAVES Latitude Longitude		S R 22E
Pit Type: Drilling Production Disposal Workover Emergency Lined Unlined Liner type: Synthetic Thickness 12 mil Clay Pit Volume bbl	Below-grade tank Volume:bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes If not, Less than 50 feet	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	50 feet or more, but less than 100 feet 100 feet or more	(10 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes <u>No</u>	(20 points) (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)
	Ranking Score (Total Points)	0
If this is a pit closure: (1) attach a diagram of the facility showing the pit's reyour are burying in place) ansite \(\text{ offsite} \) If offsite, name of facility remediation start date and end date. (4) Groundwater encountered: No \(\text{ Ye} \) Attach soil sample results and a diagram of sample locations and executions. Additional Comments:		LAN MUST the results. (5) IOR TO THE
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: 8/23/2005 Printed Name/Title James L. Schultz, Agent Your certification and NMOCD approval of this application/closure does not otherwise endanger public health or the environment. Nor does it relieve the regulations.	, a general permit , or an (attached) alternative C Signature Trelieve the operator of liability should the contents of the	OCD-approved plan
Approval: Field Supervisor Printed Name/Title Field Supervisor	Signature	DE 6,102 1 2005



FROM THE INTERESECTION OF U.S. HWY. # 208
AND CO. RD. #40 (STARGRASS RD.) GO WEST ON
CO. RD. #40 FOR APPROX. 2.0 MILES TO A
CALICHE ROAD ON THE RIGHT. TURN RIGHT
(NORTH) AND GO APPROX. 2.1 MILES, TURN LEFT
AND FOLLOW ROAD APPROX. 3.2 MILES. TURN
WEST AND GO W/SW APPROX. 1000' TO A
PROPOSED ROAD SURVEY. FOLLOW PROPOSED
ROAD SURVEY APPROX. 1679' TO PROPOSED
LOCATION.



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

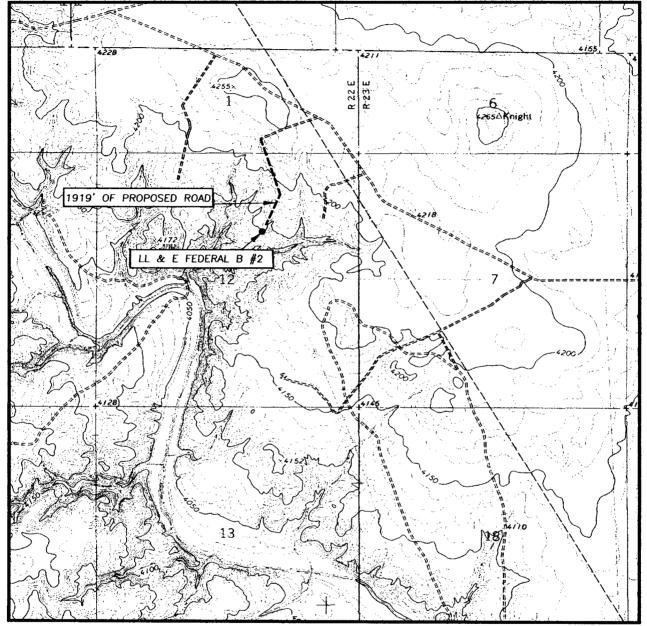


MCKAY OIL CORPORATION

LL & E FEDERAL B #2 WELL
LOCATED 1650 FEET FROM THE NORTH LINE
AND 1980 FEET FROM THE EAST LINE OF SECTION 12,
TOWNSHIP 6 SOUTH, RANGE 22 EAST, N.M.P.M.,
CHAVES COUNTY, NEW MEXICO.

Survey Date: 05	9/16/04		Sheet	1	of	1	Sheets
W.O. Number: 05.	11.1171	Dr	By: J.R.		Re	ev 1.	08/09/05
Date: 09/23/04	Disk: CD#	4 5	051	1117	1	Scal	le:1 "=100"

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

MESA SW, N.M.

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

SEC. 12 TWP. 6-S RGE. 22-E

SURVEY N.M.P.M.

COUNTY CHAVES

DESCRIPTION 1650' FNL & 1980' FEL

ELEVATION 4144'

MCKAY

OPERATOR OIL CORPORATION

LEASE LL & E FEDERAL B

U.S.G.S. TOPOGRAPHIC MAP



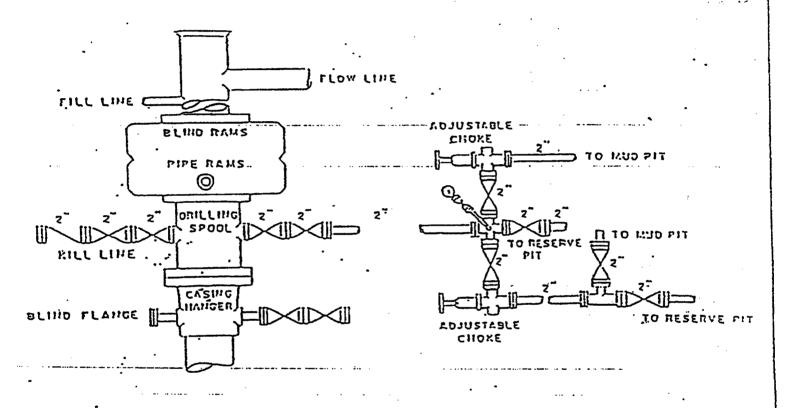
PROVIDING SURVEYING SERVICES SINCE 1948 JOHN WEST SURVEYING COMPANY 412 N. DAL PASO HOBBS, N.M. 88240 (505) 393-3117

MCKAY OIL COPRORATION

LL&E B Federal #2

SW4NE4 of Section 12, T6S, R22E Chaves County, New Mexico

EXHIBIT "D"

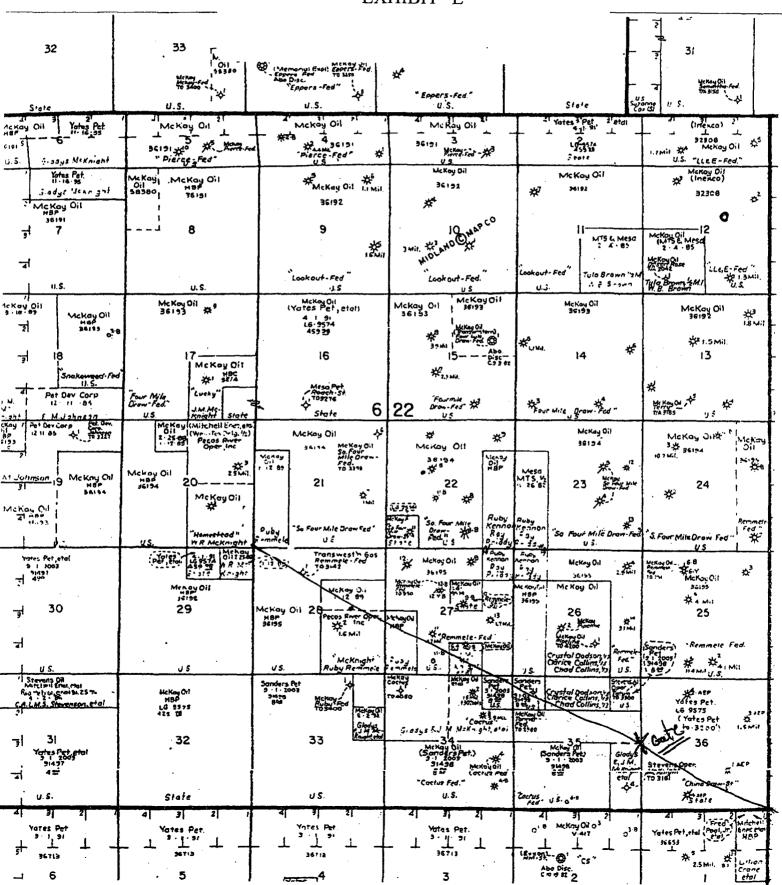


MCKAY OIL COPRORATION

LL&E B Federal #2

SW4NE4 of Section 12, T6S, R22E Chaves County, New Mexico

EXHIBIT "E"



SUPPLEMENTAL DRILLING DATA

MCKAY OIL CORPORATION LL&E B Federal #2 1650' FNL & 1980' FEL Sec. 12, 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 - 876' Tubb - 2372' Abo - 2600'

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

Fresh Water - In surface formation above 600'
Gas - In Abo Formation below 2600'

4. PROPOSED CASING PROGRAM:

12-1/4" hole 8-5/8" 3-2 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 #2 1650' FNL & 1980' FEL Sec. 12, 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>: 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 3 miles, then turn southwest 1/4 mile to the location.

2. PLANNED ACCESS ROAD:

- A. Length and Width: 1/4 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 10' of cut and fill will be required for the pad size of 300' x 250'. (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 sloping to the south and east in the vicinity of the access road and south-southeast in the vicinity of the drill pad. Regional slope is south 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. Ponds and Streams: 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 2 mile to the south-southwest.
- F. <u>Archaeological</u>, <u>Historical and Other Cultural Sites</u>: 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. <u>CERTIFICATION</u>:

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.

F=

DATE

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 #2

Bryan,

Please see attached Contingency Plan-H2S for the LL&E B Federal #2 located in Sec 12, T6S, R22E 1650' FNL & 1980' FEL 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 #2
LOCATED IN SEC 12, T6S, R22E IN CHAVES COUNTY, NEW MEXICO

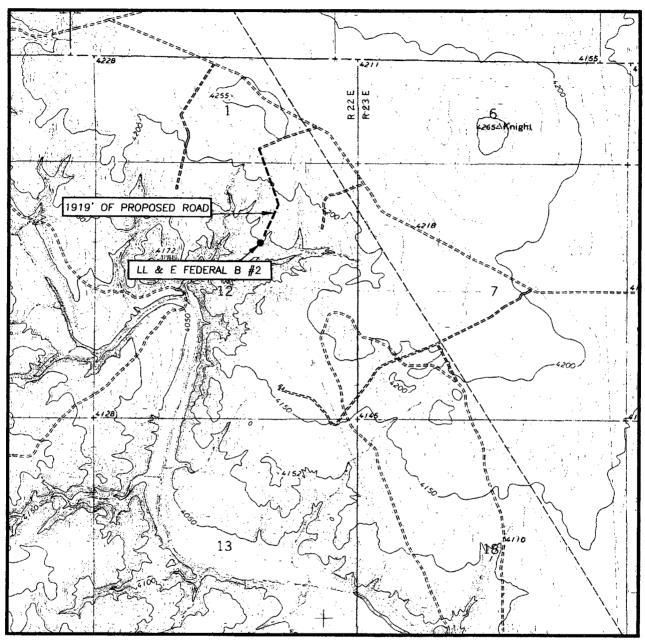
NO HYDROGEN SULFIDE OR OTHER HAZARDOUS GASES OR FLUIDS HAVE BEEN ENCOUNTERED, REPORTED OR KNOWN TO EXIST AT THIS DEPTH IN THIS AREA.

LL&E B FEDERAL #2

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. 12 TWP. 6-S RGE. 22-E

SURVEY N.M.P.M.

COUNTY CHAVES

DESCRIPTION 1650' FNL & 1980' FEL

ELEVATION 4144'

MCKAY

OPERATOR OIL CORPORATION

LEASE LL & E FEDERAL B

U.S.G.S. TOPOGRAPHIC MAP

MESA SW, N.M.



PROVIDING SURVEYING SERVICES SINCE 1946 JOHN WEST SURVEYING COMPANY 412 N. DAL PASO HOBES 900 2447

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

WELL DRILLING REQUIREMENTS

3 of 5 pages

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: 8% 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 8½ inch surface casing shall be set at 950 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 _8½ 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.

IV. ON LEASE - WELL REQUIREMENTS:

- A. The holder shall post signs identifying the location permitted herein with the requirements contained in Onshore Oil and Gas Order #1 and 43 CFR 3162.6.
- B. The following data is required on the well sign that shall be posted in a conspicuous place on the well pad. The sign shall be kept up with current identification and shall be legible for as long as the well is in existence: