

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

Form 3160-3
(April 2004)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NM 32323
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator McKay Oil Corporation		7. If Unit or CA Agreement, Name and No. 26901
3a. Address PO Box 2014 Roswell, NM 88202-2014		8. Lease Name and Well No. Snakeweed B #1 - Fed.
3b. Phone No. (include area code) 505-623-4735		9. API Well No. 30 005-63733
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 1980' FNL & 1980' FWL At proposed prod. zone (F)		10. Field and Pool, or Exploratory W. Pecos ABO Slope 82740
14. Distance in miles and direction from nearest town or post office* Approximately 25 miles		11. Sec., T. R. M. or Blk. and Survey or Area Unit F, Sec. 18, T6S, R23E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1980'	16. No. of acres in lease 2009.00	12. County or Parish Chaves
17. Spacing Unit dedicated to this well 160'	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	13. State NM
19. Proposed Depth 4300'	20. BLM/BIA Bond No. on file	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4138'	22. Approximate date work will start* 11/01/2004	23. Estimated duration 7-10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) James L. Schultz	Date 10/11/2004
Title Agent		

Approved by (Signature) (ORIG. SGD.) ARMANDO A. LOPEZ	Name (Printed/Typed) (ORIG. SGD.) ARMANDO A. LOPEZ	Date JAN 21 2005
Title Assistant Field Manager, Lands And Minerals	Office ROSWELL FIELD OFFICE	APPROVED FOR 1 YEAR

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT I

1625 N. FRENCH DR., BOBBS, NM 88240

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name SNAKEWEED B	Well Number 1
OGRID No.	Operator Name McKAY OIL CORPORATION	Elevation 4138'

Surface Location

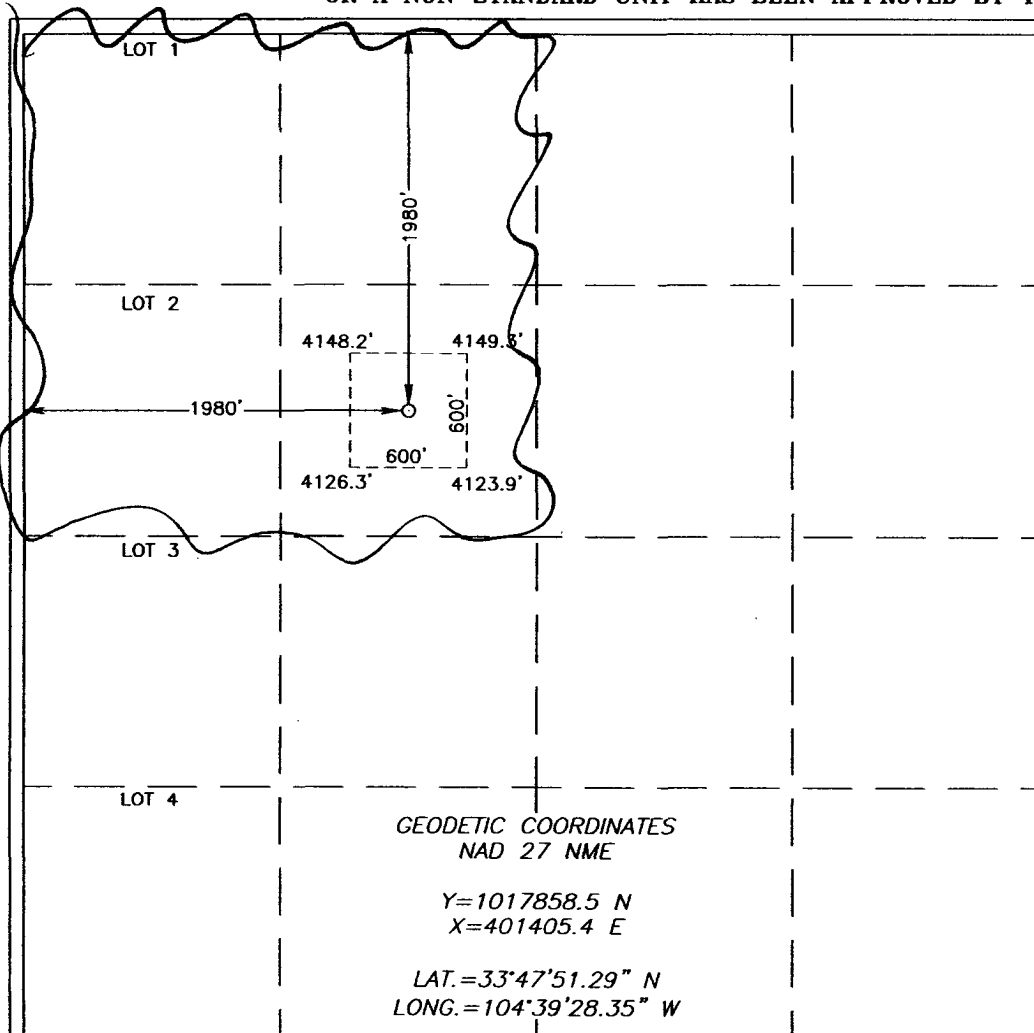
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	18	6-S	23-E		1980	NORTH	1980	WEST	CHAVES

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 160	Joint or Infill	Consolidation Code	Order 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



OPERATOR CERTIFICATION

I hereby certify the the information
contained herein is true and complete to the
best of my knowledge and belief.

Signature

James Schultz

Printed Name

Agent

Title

10/11/2004

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
supervision, and that the same is true and
correct to the best of my belief.

SEPTEMBER 15, 2004

Date Surveyed

JR

Signature & Seal of
Professional Surveyor

GARY EIDSON

NEW MEXICO

04.11.1153

9/28/04

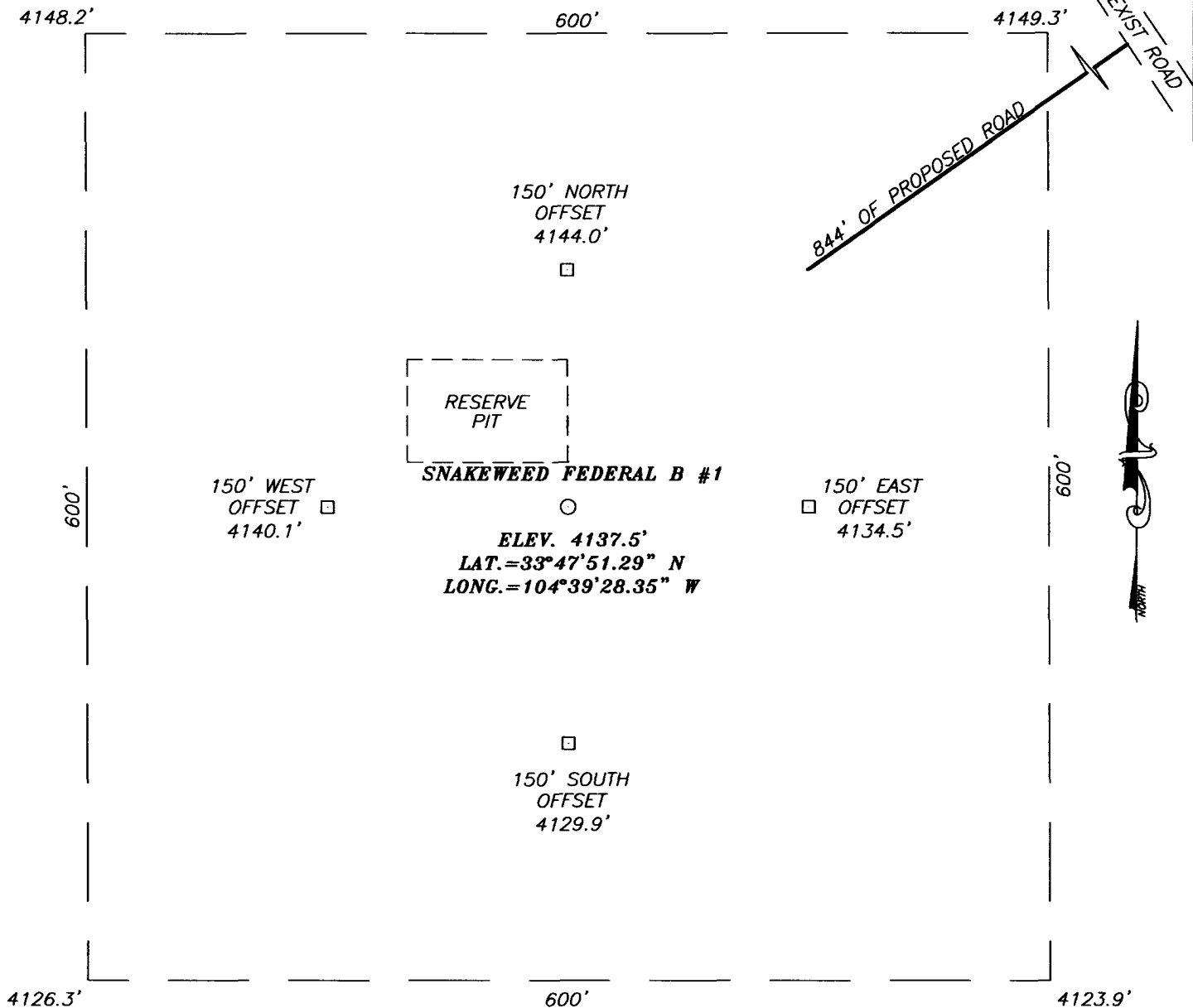
Certificate No. GARY EIDSON

12841

SECTION 18, TOWNSHIP 6 SOUTH, RANGE 23 EAST, N.M.P.M.,

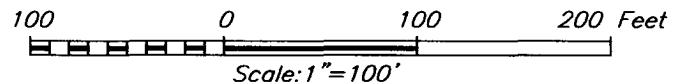
CHAVES COUNTY,

NEW MEXICO



DIRECTIONS TO LOCATION

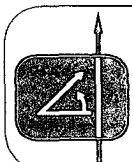
FROM THE INTERESECTION OF U.S. HWY. # 208 AND CO. RD. #40 (STARGRASS RD.) GO WEST ON CO. RD. #40 FOR APPROX. 2.5 MILES TO A CALICHE ROAD ON THE RIGHT. TURN RIGHT (NORTH) AND GO APPROX. 2.0 MILES, TURN LEFT (WEST) AND GO APPROX. 1.0 MILES. TURN SOUTH THRU CATTLEGUARD AND GO APPROX. 0.35 MILES PAST TEXAS/NEW MEXICO BPL. TURN SOUTH AND GO APPROX. 0.75 MILES TO A PROPOSED ROAD SURVEY. FOLLOW PROPOSED ROAD SURVEY APPROX. 840' TO PROPOSED LOCATION.



McKAY OIL CORPORATION

SNAKEWEED FEDERAL B #1 WELL
LOCATED 1980 FEET FROM THE NORTH LINE
AND 1980 FEET FROM THE WEST LINE OF SECTION 18,
TOWNSHIP 6 SOUTH, RANGE 23 EAST, N.M.P.M.,
CHAVES COUNTY, NEW MEXICO.

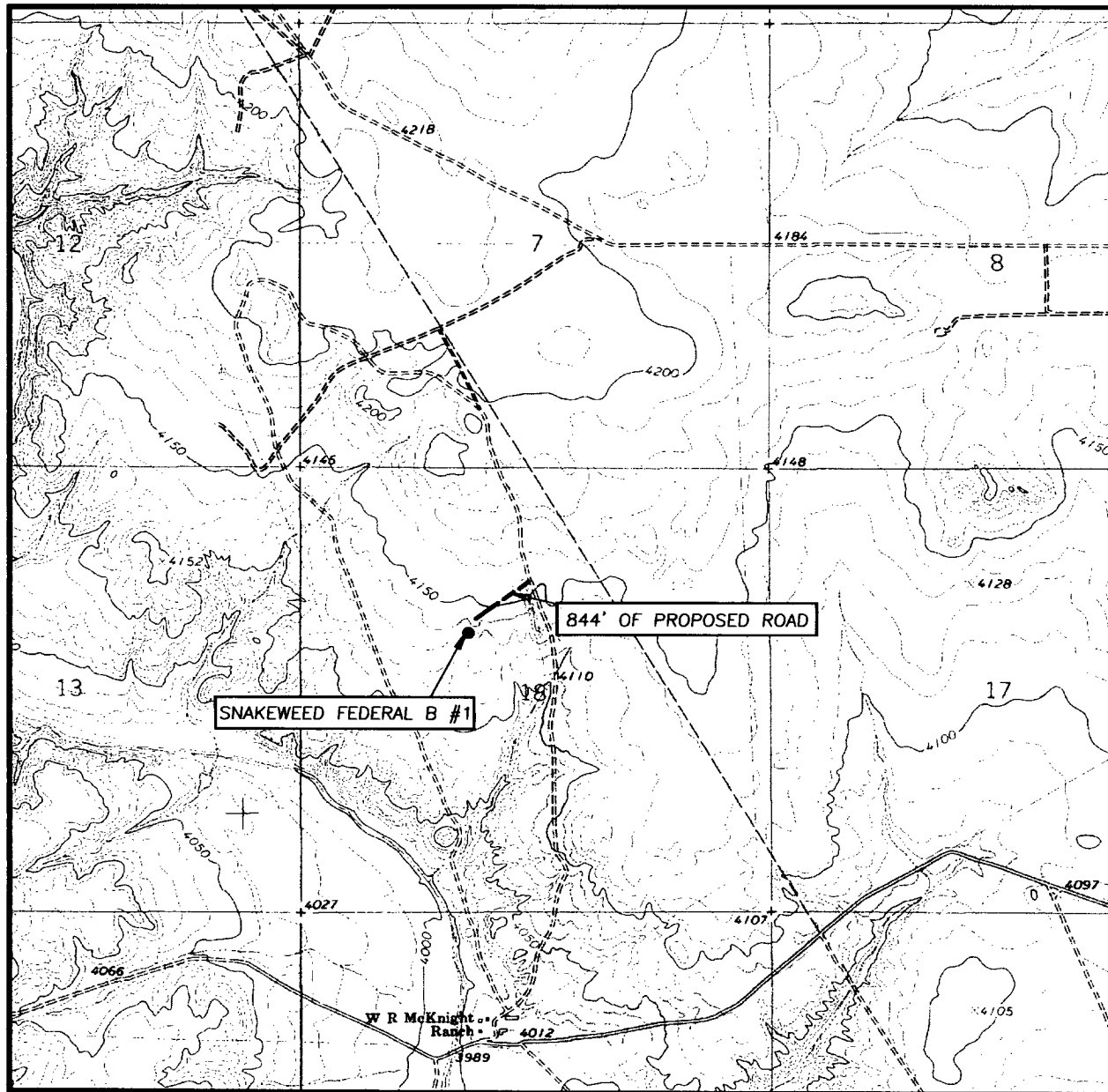
Survey Date: 09/15/04	Sheet 1 of 1 Sheets
W.O. Number: 04.11.1153	Dr By: J.R.
Date: 09/27/04	Disk: CD#10
04111153	Scale: 1"=100'



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

AT "B"

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

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

SEC. 18 TWP. 6-S RGE. 23-E

SURVEY N.M.P.M.

COUNTY CHAVES

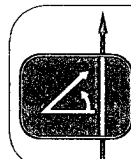
DESCRIPTION 1980' FNL & 1980' FWL

ELEVATION 4138'

OPERATOR McKAY OIL CORPORATION

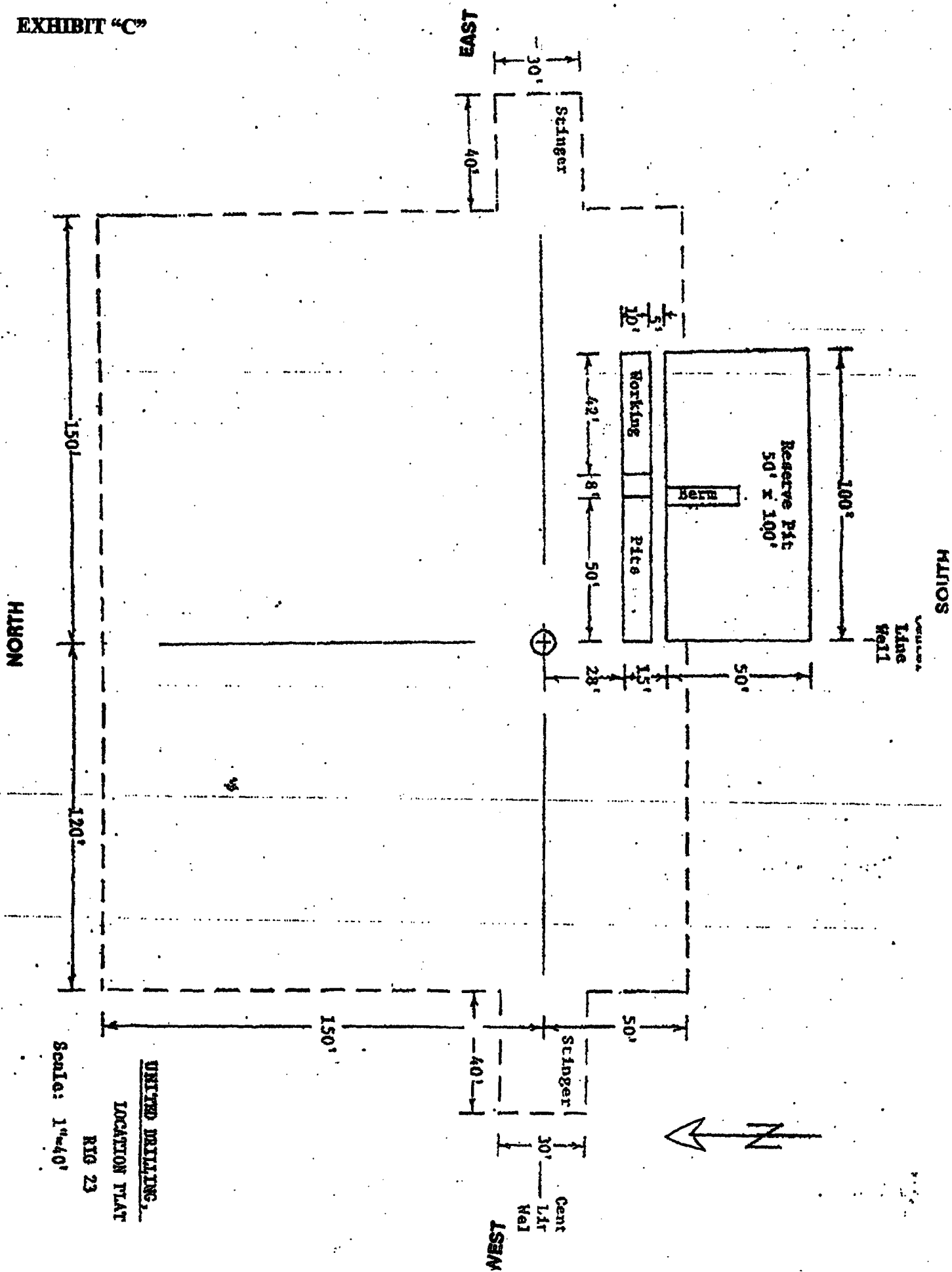
LEASE SNAKEWEED FEDERAL B

U.S.G.S. TOPOGRAPHIC MAP
MESA SW, N.M.



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

EXHIBIT "C"



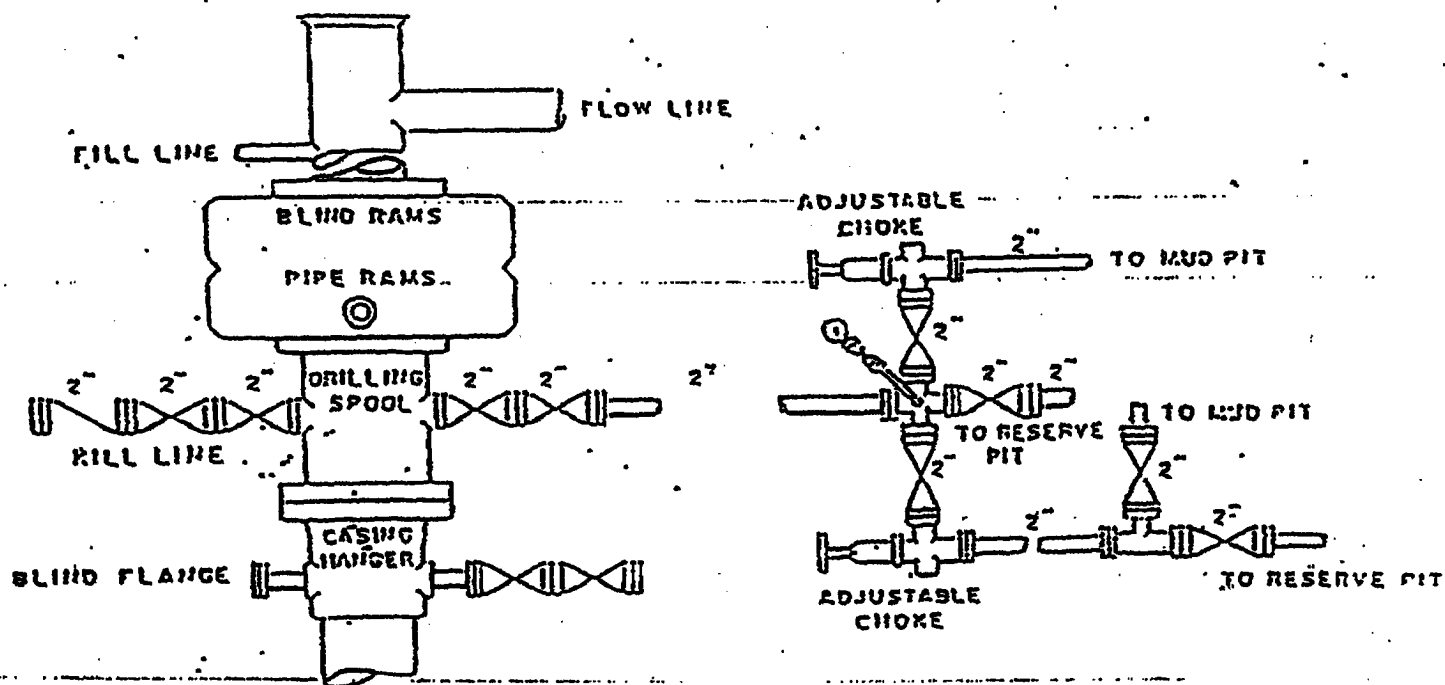
MCKAY OIL COPORATION

Snakeweed B #1

SE4NW4 of Section 18, T6S, R23E

Chaves County, New Mexico

EXHIBIT "D"



SUPPLEMENTAL DRILLING DATA

MCKAY OIL CORPORATION
SNAKEWEED B #1
1980' FNL & 1980' FWL Sec. 18, T6S, R23E

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 - 921'
Tubb - 2417'
Abo - 2630'

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

Fresh Water - In surface formation above 600'
Gas - In Abo Formation below 2630'

4. PROPOSED CASING PROGRAM:

J-55

12-1/4" hole	8-5/8" X-42	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. AUXILIARY EQUIPMENT: 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. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE:
None anticipated.
12. ANTICIPATED STARTING DATE: On or before November 1, 2004
Drilling should be completed within 10 days. Completion operations (perforations and stimulation) will follow drilling operations.

**Southwest Petroleum
Land Services, LLC**

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

October 13, 2004

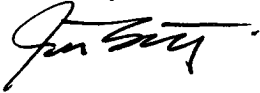
Oil Conservation Division
Bryan Arrant
1301 W. Grand Avenue
Artesia, NM

Re: H2S Contingency Plan-Snakeweed B #1

Bryan,

Please see attached Contingency Plan-H2S for the Snakeweed B #1 located in Sec 18, T6S, R23E 1980' FNL & 1980' 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
SNAKEWEED B #1
LOCATED IN SEC 18, T6S, R23E IN
CHAVES COUNTY, NEW MEXICO

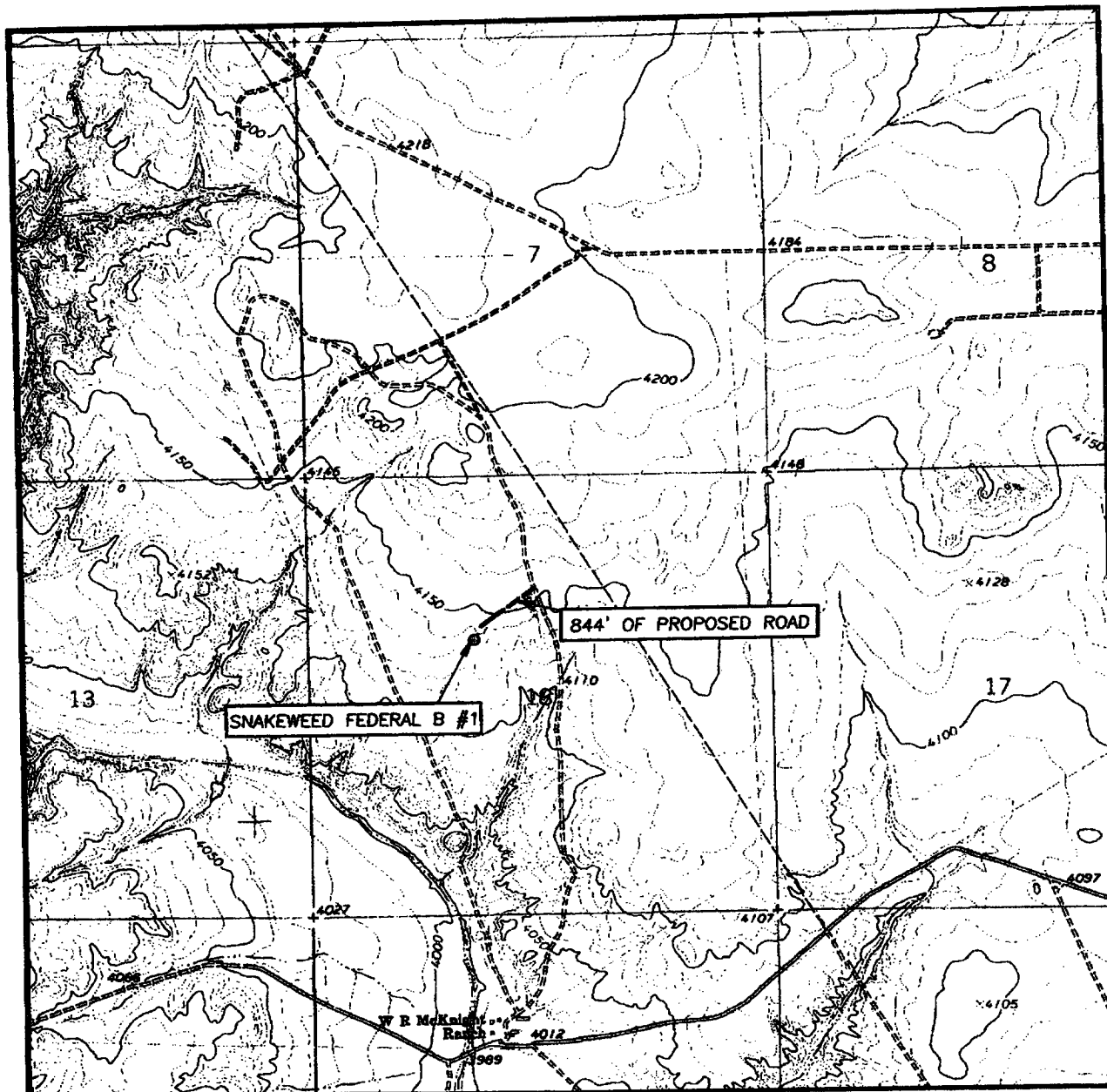
NO HYDROGEN SULFIDE OR OTHER HAZARDOUS GASES OR FLUIDS HAVE
BEEN ENCOUNTERED, REPORTED OR KNOWN TO EXIST AT THIS DEPTH IN
THIS AREA.

SNAKEWEED B #1

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

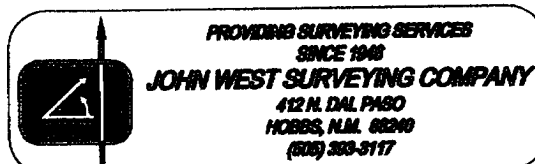
LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

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

SEC. 18 TWP. 6-S RGE. 23-E
 SURVEY N.M.P.M.
 COUNTY CHAVES
 DESCRIPTION 1980' FNL & 1980' FWL
 ELEVATION 4138'
 OPERATOR McKAY OIL CORPORATION
 LEASE SNAKEWEED 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	H ₂ S	1.189 AIR=1	10 PPM ₄	100 PPM/HR	600 PPM
SULFUR DIOXIDE	SO ₂	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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator **McKay Oil Corporation**

3a. Address
PO Box 2014, Roswell, NM 88202-2014

3b. Phone No. (include area code)
505.623.4735

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FNL, 1980' FWL, Unit F, Section 18, T6S, R23E

RECEIVED

JAN 25 2005

5. Lease Section No.
NMA 32323

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Snakeweed B Federal #1

9. API Well No.

10. Field and Pool, or Exploratory Area
W. Pecos ABO Slope

11. County or Parish, State

Chaves, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.) *845*

Move proposed road to southeast corner; ~~change pipeline location~~ see attached plats.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

James L. Schultz

Title **Agent**

Signature

Date

12/02/2004 1-13-05

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **(ORIG. SGD.) ARMANDO A. LOPEZ**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Assistant Field Manager

Title **Lands And Minerals**

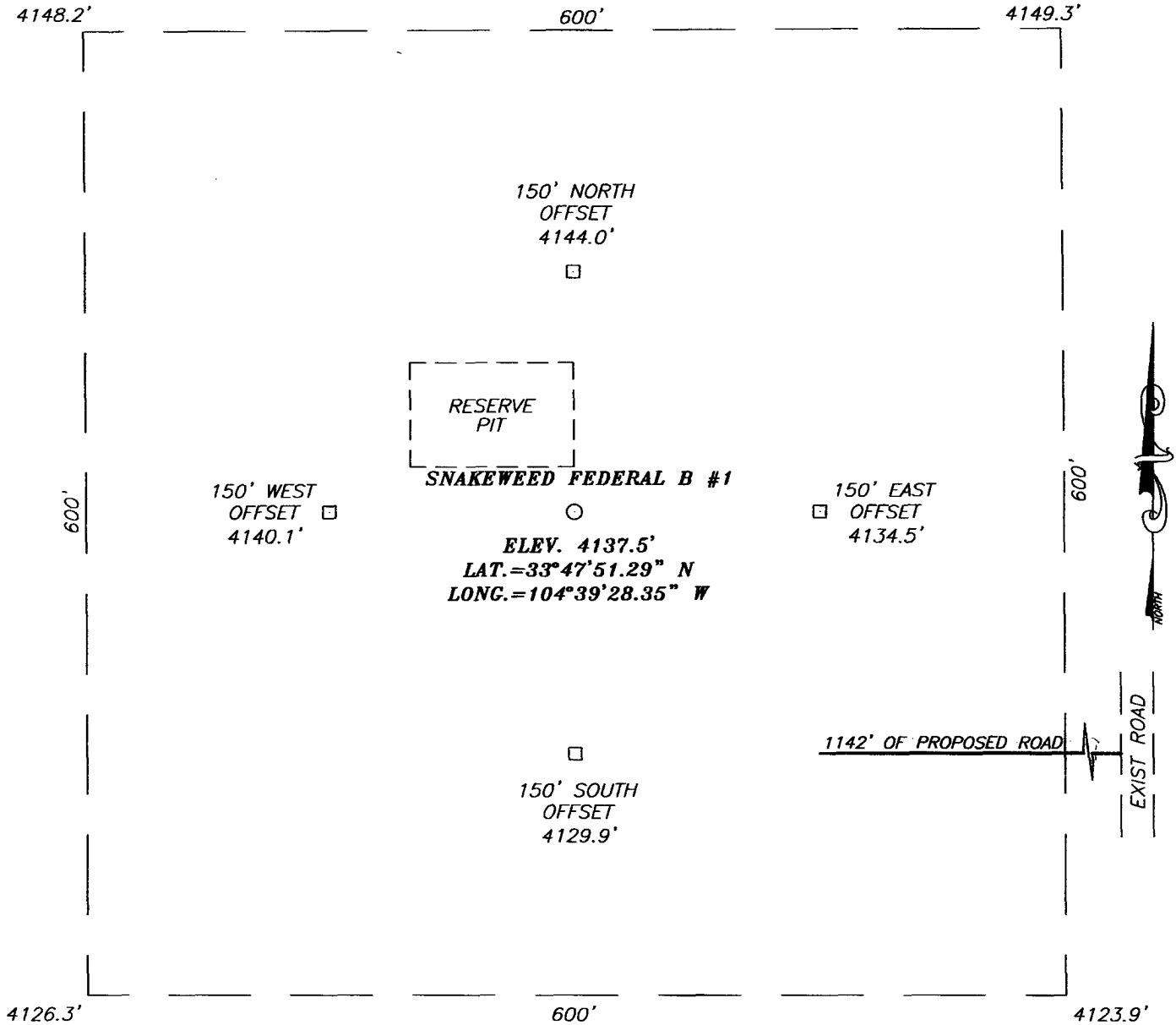
Office **ROSWELL FIELD OFFICE**

JAN 21 2005

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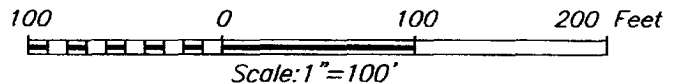
(Instructions on page 2)

SECTION 18, TOWNSHIP 6 SOUTH, RANGE 23 EAST, N.M.P.M.,
 CHAVES COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERESECTION OF U.S. HWY. # 208 AND CO. RD. #40 (STARGRASS RD.) GO WEST ON CO. RD. #40 FOR APPROX. 2.5 MILES TO A CALICHE ROAD ON THE RIGHT. TURN RIGHT (NORTH) AND GO APPROX. 2.0 MILES, TURN LEFT (WEST) AND GO APPROX. 1.0 MILES. TURN SOUTH THRU CATTLEGUARD AND GO APPROX. 0.35 MILES PAST TEXAS/NEW MEXICO BPL. TURN SOUTH AND GO APPROX. 0.75 MILES TO A PROPOSED ROAD SURVEY. FOLLOW PROPOSED ROAD SURVEY APPROX. 1142' TO PROPOSED LOCATION.



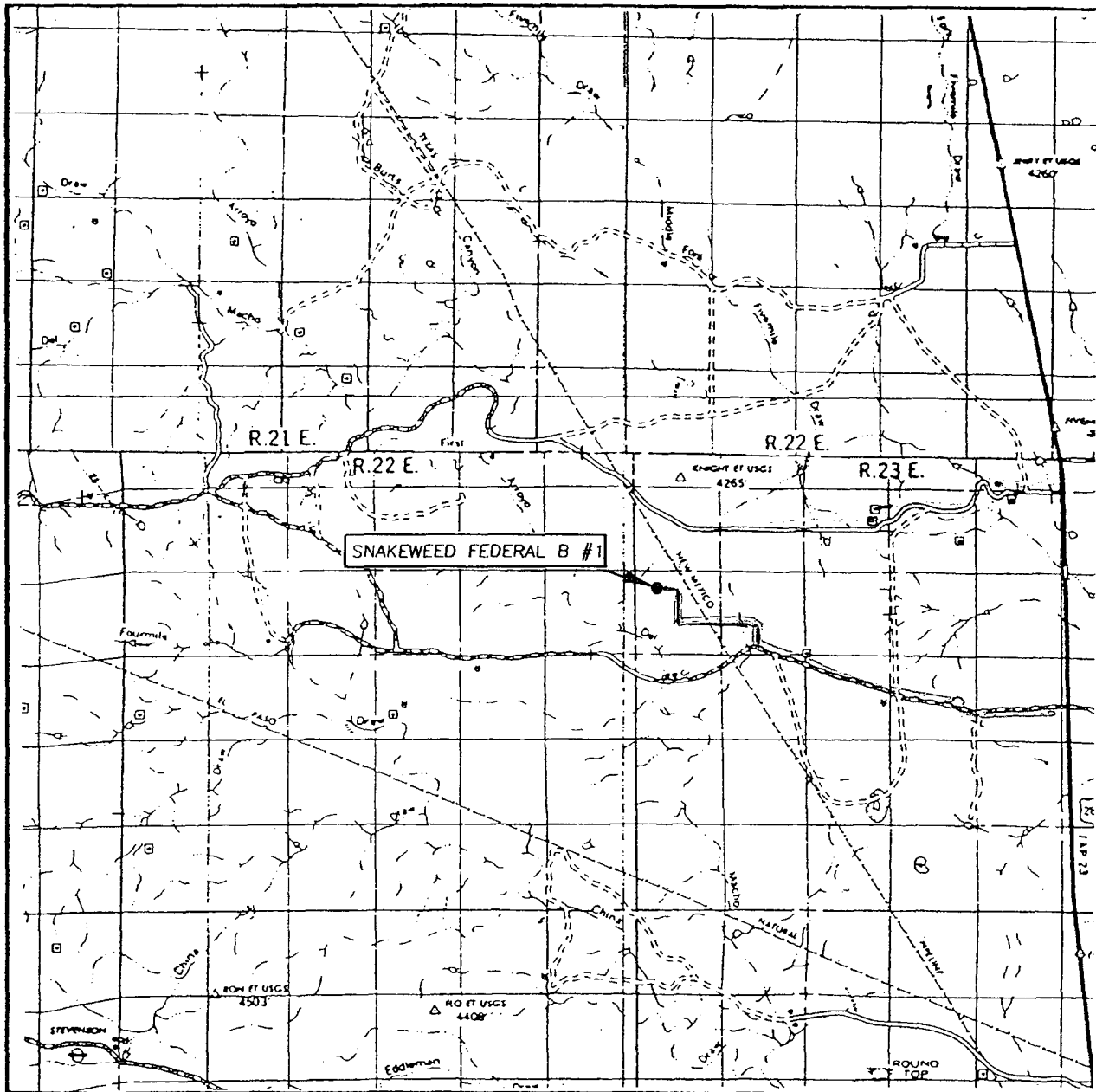
MCKAY OIL CORPORATION

SNAKEWEED FEDERAL B #1 WELL
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 AND 1980 FEET FROM THE WEST LINE OF SECTION 18,
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 CHAVES COUNTY, NEW MEXICO.

Survey Date: 09/15/04	Sheet 1 of 1 Sheets
W.O. Number: 04.11.1438	Dr By: J.R.
Date: 09/27/04	Disk: CD#10
04111438	Scale: 1"=100'

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

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 18 TWP. 6-S RGE. 23-E

SURVEY N.M.P.M.

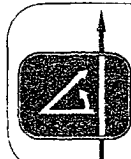
COUNTY CHAVES

DESCRIPTION 1980' FNL & 1980' FWL

ELEVATION 4138'

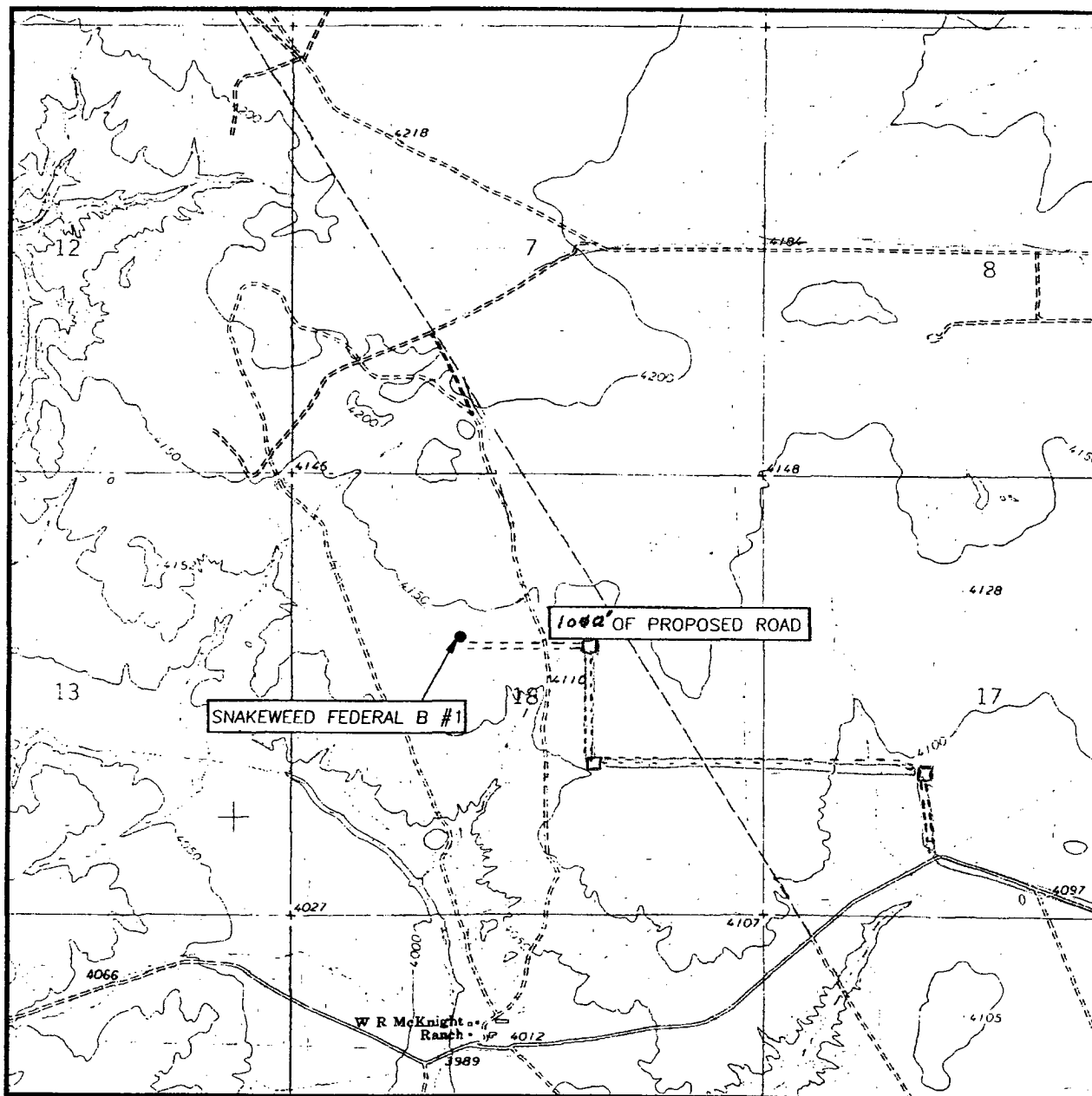
McKAY
OPERATOR OIL CORPORATION

LEASE SNAKEWEED FEDERAL B



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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

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

SEC. 18 TWP. 6-S RGE. 23-E

SURVEY N.M.P.M.

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McKAY
OPERATOR OIL CORPORATION

LEASE SNAKEWEED 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
HOBBS, N.M. 88240
(505) 393-3117**