

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Oil Cons.  
N.M. DIV-Dist. 2  
1301 W. Grand Avenue  
Artesia, NM 88210

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.

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

5. Lease Serial No.  
**LC-064391-B**  
6. If Indian, Allottee or Tribe Name  
**N/A**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

7. If Unit or CA/Agreement, Name and/or No.  
**Indian Hills Unit NM 70964X**

8. Well Name and No.  
**Indian Hills Unit # 37-Y**

9. API Well No.  
**30-015-32594**

10. Field and Pool, or Exploratory Area  
**Indian Basin U.P. Assoc.**

11. County or Parish, State  
**Eddy N.M.**

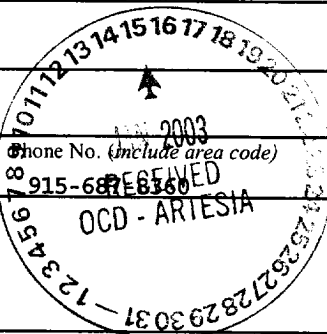
1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
**Marathon Oil Company**

3a. Address  
**P.O. Box 552 Midland, TX 79702**

3b. Phone No. (include area code)  
**915-688-8560**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1098' FNL & 1400' FEL  
Sec. 20, T-21-S, R-24-E  
Eddy Co. N.M.**



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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☒ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

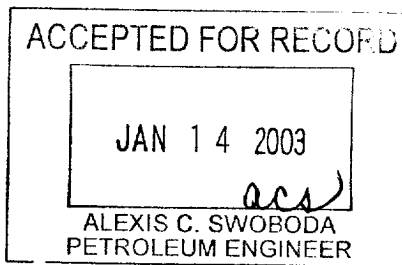
☐ Well Integrity

☐ Other

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 final site is ready for final inspection.)

Marathon lost the hole on the IHU # 37 and subsequently had to skid the rig over and start a new hole, the IHU # 37-Y.

Please find attached plat for new SHL.



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

**Jerry Fletcher**

Title

**Engineer tech.**

Date **1/6/02**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

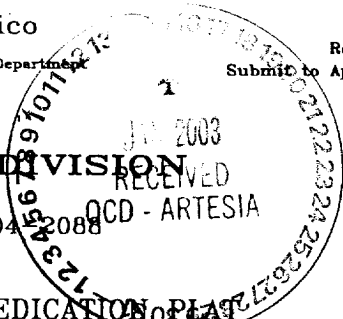
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088



☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-32543	Pool Code 33685	Pool Name Indian Basin Upper Penn. Assoc.
Property Code	Property Name INDIAN HILLS UNIT	Well Number 37-Y
OGRID No. 14021	Operator Name MARATHON OIL COMPANY	Elevation 4162'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	20	21-S	24-E		1098'	NORTH	1400'	EAST	EDDY

**Bottom Hole Location If Different From Surface**

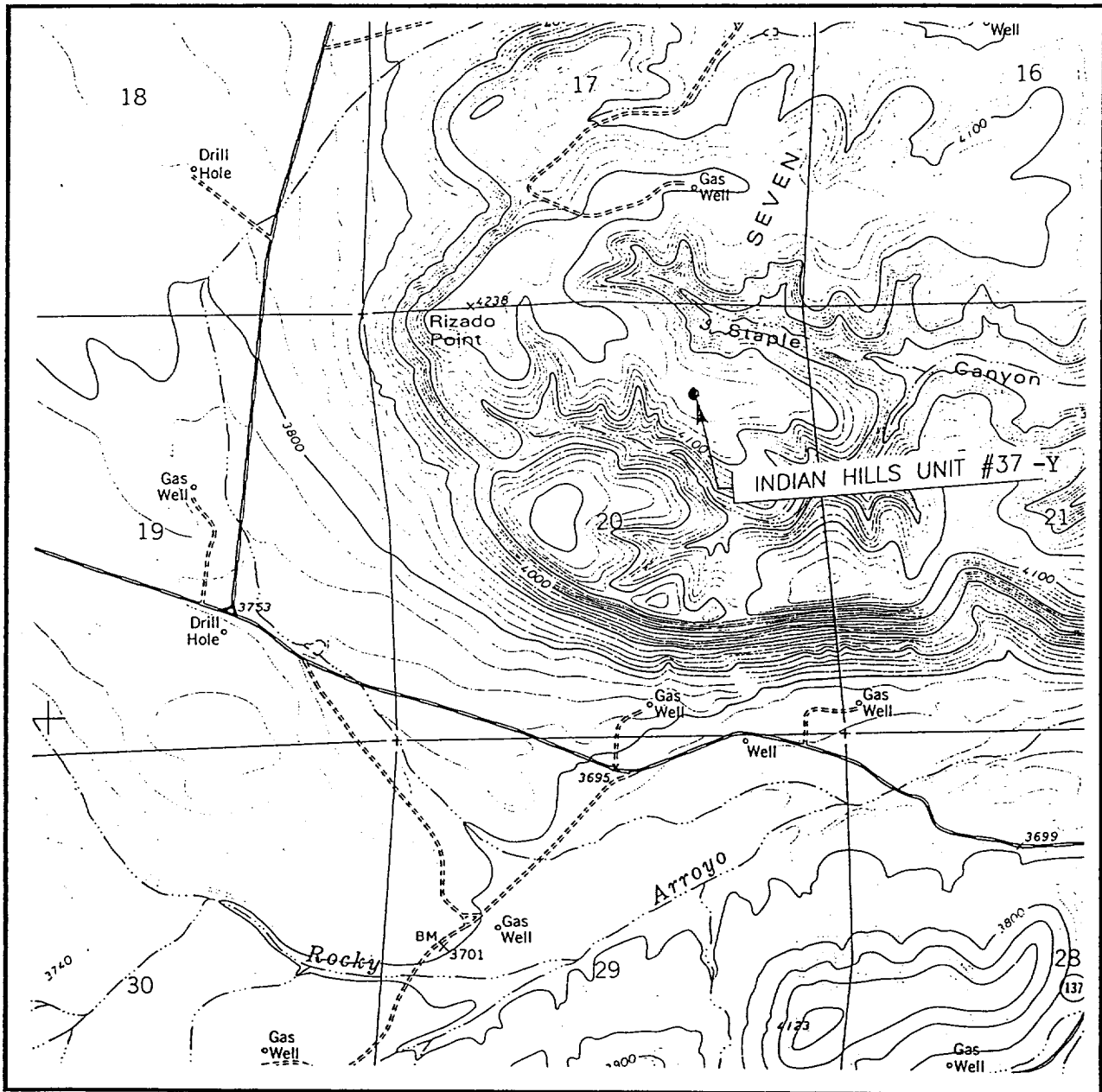
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
"G"	20	21-S	24-E		2620'	NORTH	2538'	EAST	EDDY

Dedicated Acres 320 E/2	Joint or Infill	Consolidation Code	Order No.
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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

<p>LOT 4      LOT 3      LOT 2      LOT 1</p> <p>38.99 AC      40.55 AC      38.97 AC      37.68 AC</p> <p>LOT 5      LOT 6      LOT 7      LOT 8</p> <p>37.95 AC      39.51 AC      39.39 AC      38.34 AC</p> <p>THU # 37-Y BHL</p> <p>GEODETIC COORDINATES NAD 27 N.M.L. Y=534335.3 X=443420.5 LAT.=32°28'07.92"N LONG.=104°31'00.45"W</p> <p>660'      1400'      660'</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Jerry Fletcher</i> Signature Jerry Fletcher Printed Name Engineer Tech. Title 1/6/03 Date</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>DECEMBER 27, 2002 Date Surveyed LA Signature &amp; Seal of Professional Surveyor <i>Cary Eidson</i> 12/27/02 02.11/0903 Certificate No. RONALD E. EIDSON 3239 CARY EIDSON 12641</p>
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# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 20'  
MARTHA CREEK, N.M.

SEC. 20 TWP. 21-S RGE. 24-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1098' FNL & 1400' FEL

ELEVATION 4161.7'

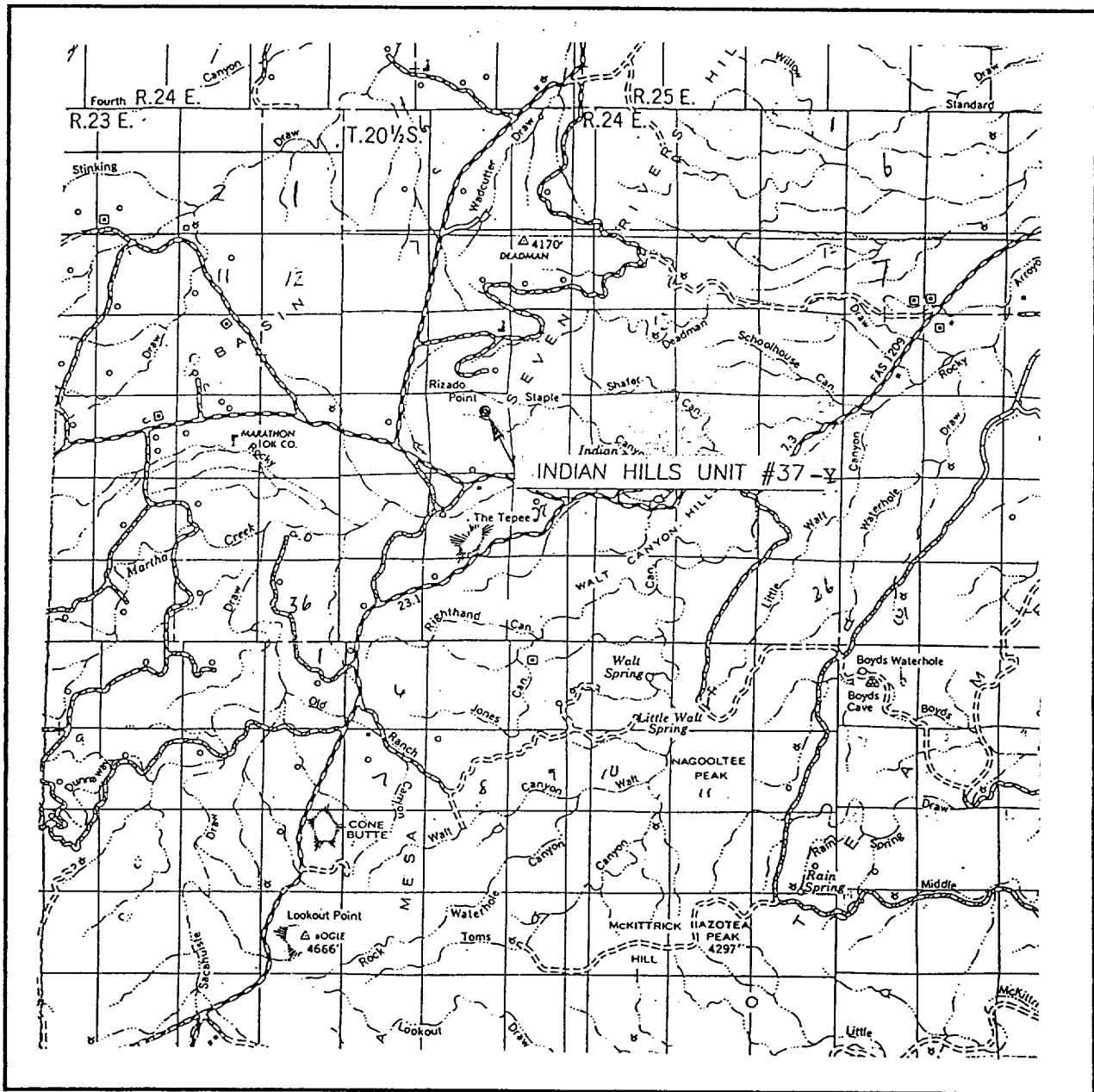
OPERATOR MARATHON OIL COMPANY

LEASE INDIAN HILLS UNIT

U.S.G.S. TOPOGRAPHIC MAP  
MARTHA CREEK, N.M.

JOHN WEST SURVEYING  
HOBBS, NEW MEXICO  
(505) 393-3117

# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 20 TWP. 21-S RGE. 24-E  
 SURVEY N.M.P.M.  
 COUNTY EDDY  
 DESCRIPTION 1098' FNL & 1400' FEL  
 ELEVATION 4161.7'  
 OPERATOR MARATHON OIL COMPANY  
 LEASE INDIAN HILLS UNIT

JOHN WEST SURVEYING  
 HOBBS, NEW MEXICO  
 (505) 393-3117

# Marathon Oil Company

## Operations Summary Report

Page 2 of 6

Legal Well Name: INDIAN HILLS UNIT NO. 37 "Y" + 37  
 Common Well Name: INDIAN HILLS UNIT NO. 37 "Y"  
 Event Name: ORIGINAL DRILLING  
 Contractor Name: MCVAY DRILLING  
 Rig Name: MCVAY DRILLING

Start: 12/13/2002  
 Rig Release:  
 Rig Number: 4  
 Spud Date: 12/19/2002  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/25/2002	16:00 - 19:00	3.00	WAIT	CEMT	DRLSUR	Wait on Cement
	19:00 - 20:30	1.50	TRIP	BIT	DRLSUR	TI w/ DP. Tagged @ 290'. Pumped 700 sks of Premuim Plus w/ 2% CalCl2. FL @ 80'. Did not circ. POOH w/ 3 stds of DP.
	20:30 - 23:30	3.00	WAIT	CEMT	DRLSUR	WOC
	23:30 - 00:00	0.50	CEMT	TJOB	DRLSUR	Tagged cement @ 165'. Pumped 300 sks of Premuin Plus w/ 3% CaCl2. FL @ 50'.
	00:00 - 02:30	2.50	WAIT	CEMT	DRLSUR	Wait on Cement
	02:30 - 03:00	0.50	CEMT	TJOB	DRLSUR	Top Job Cementing. Tagged @ 80'. Pumped 150 sks of Premuim w/ 3% CaCl2. FL @ 50'.
12/26/2002	03:00 - 06:00	3.00	WAIT	CEMT	DRLSUR	Wait on Cement. Thawing out HES lines @ 0600 hrs. ( Pumped a total of 1150 sks. Top @ 80'. FL @ 50')
	06:00 - 07:00	1.00	CEMT	PLUG	DRLSUR	Thawed out water lines.
	07:00 - 07:15	0.25	CEMT	PLUG	DRLSUR	Pumped 150 sks of Premuim Plus w/ 3% CalC2.
	07:15 - 10:45	3.50	WAIT	CEMT	DRLSUR	Wait on Cement
	10:45 - 11:00	0.25	CEMT	PLUG	DRLSUR	Pumped 100 sks of Premuim Plus w/ 3% CalC2. Circ to surface. Filled cellar 3' with cement. RD HES.
12/27/2002	11:00 - 06:00	19.00	WAIT	OTHR	DRLSUR	Shut down for day.
	06:00 - 08:00	2.00	RIG	RDMO	RDMO	RD Rig equipment on rig floor & around drilling pits.
	08:00 - 13:00	5.00	LOC	WORK	RDMO	Work on drilling pilot holes w/ rat hole machine to install new cellar. Installed new cellar.
	13:00 - 18:00	5.00	DRILL	AIR	RDMO	Drill out mouse hole & started drilling out conductor.
	18:00 - 22:00	4.00	WELD	RRPL	RDMO	Welded on rat hole machine to repair air leak.
	22:00 - 02:00	4.00	DRILL	AIR	RDMO	Finish drilling out conductor & drilling out rat hole.
12/28/2002	02:00 - 02:30	0.50	CEMT	OTHR	RDMO	Cemented conductor pipe w/ 5 yards of ready mix.
	02:30 - 06:00	3.50	WAIT	CEMT	RDMO	Wait on Cement
	06:00 - 08:00	2.00	WELD	WLHD	MIRU	Cut & weld on 13 5/8" 3M slip on flange to conductor pipe.
	08:00 - 08:30	0.50	SAFETY	SMTG	MIRU	Held Safety Meeting w/ rig hands & truck drivers.
	08:30 - 09:00	0.50	NUND	UFWL	MIRU	N/U surface stack on conductor pipe before skidding rig.
	09:00 - 13:30	4.50	RIG	SKID	MIRU	Skid Rig or Service Unit
12/29/2002	13:30 - 20:00	6.50	RIG	MOB	MIRU	R/U equipment & rig up rig floor. Weld up flow line & did minor repairs needed.
	20:00 - 06:00	10.00	WAIT	CEMT	DRLCN2	Wait on Cement. Letting cement on conductor heal good before start drilling w/ air. ( BHA picked up except for Hammer which will be here first thing in the morning to spud.)
	06:00 - 08:15	2.25	CHECK	SURF	DRLSUR	Perform Check of Surface Equipment. Checked compressor.
	08:15 - 08:45	0.50	EQUIP	PEQP	DRLSUR	Pick up hammer tool w/ 12 3/8" Hammer bit & made up on BHA.
	08:45 - 09:15	0.50	SAFETY	SMTG	DRLSUR	Safety Meeting
	09:15 - 13:00	3.75	DRILL	HAMR	DRLSUR	Spud in w/ 12 3/8" hammer bit @ 09:15AM . Hammer Drill w/ mist.
12/30/2002	13:00 - 13:15	0.25	SURV	TOTC	DRLSUR	Survey with non-mag TOTCO Tools. Single shot.
	13:15 - 19:30	6.25	DRILL	HAMR	DRLSUR	Hammer Drill
	19:30 - 20:15	0.75	SURV	TOTC	DRLSUR	Survey with non-mag TOTCO Tools. Single shot.
	20:15 - 01:15	5.00	DRILL	HAMR	DRLSUR	Hammer Drill. Started getting some fluid for returns.
	01:15 - 01:45	0.50	EQUIP	REQP	DRLSUR	Changed out rotating rubber
	01:45 - 03:15	1.50	DRILL	HAMR	DRLSUR	Hammer Drill
	03:15 - 03:30	0.25	SURV	TOTC	DRLSUR	Survey with non-mag TOTCO Tools
	03:30 - 06:00	2.50	DRILL	HAMR	DRLSUR	Hammer Drill
	06:00 - 06:30	0.50	CIRC	CLN	DRLSUR	Blow well c w/ air.lean
	06:30 - 07:30	1.00	TRIP	BHA	DRLSUR	Trip for BHA
	07:30 - 08:30	1.00	TRIP	BBHD	DRLSUR	L/D hammer tool & bit. Picked up used 12 1/4" bit w/ shock tool & 3 point reamer.
	08:30 - 09:15	0.75	TRIP	BIT	DRLSUR	TIH w/ 12 1/4" bit on shock tool w/ 3 point reamer above 8" non-mag collar.
	09:15 - 09:30	0.25	TRIP	WSHR	DRLSUR	Installed rotating rubber & washed down 35' to btm. No fill.