

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
Marathon Oil Company

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

3b. Phone No. (include area code)
915-687-8357

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec. 21, T-21-S, R-24-E, SHL @ 429' FSL & 326' FWL Eddy Co. N.M.
EHL @ 1524' FSL & 887' FEL Sec. 20, T-21-S, R-24-E Eddy Co. N.M.

5. Lease Serial No.
NM-07260

6. If Indian, Allottee or Tribe Name
N/A

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

8. Well Name and No.
Indian Hills Unit # 33

9. API Well No.
30-015-31755

10. Field and Pool, or Exploratory Area
Indian Basin Upper Perm Assoc.

11. County or Parish, State
Eddy 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	☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair ☐ New Construction ☐ Recomplete ☐ Other
	☒ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon
	☐ Convert to Injection ☐ Plug Back ☐ 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 recompleate 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 recompleation 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 Oil Company is proposing to change the original Upper Perm. Assoc. Gas EHL target to a new target trending Northwest to a new Upper Perm. Assoc. Gas standard EHL. Marathon has staked a new location due East of the Indian Hills Unit # 33, which will be targeting the original IHU # 33 Northeast target.

A new directional plan has been attached for review. EHL T.D. @ 8500' M.D. and 8264' TVD

The casing and cement program originally proposed on the approved APD will be used. Surface hole location remains the same.

APPROVED

JUN 25 2001

GARY GOURLEY

14. I hereby certify that the foregoing is true and correct

PETROLEUM ENGINEER

Name (Printed/Typed)
Jerry Fletcher

Engineer Tech.

Date
6/15/01

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.

BUREAU OF LAND MGMT.
ROSWELL OFFICE

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District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

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

☒ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name Indian Basin Upper Penn. Assoc.
⁴ Property Code	⁵ Property Name Indian Hills Unit # 33	⁶ Well Number 33
⁷ OGRID No. 14021	⁸ Operator Name Marathon Oil Company	⁹ Elevation 3667'

¹⁰ Surface Location									
UL or lot no. M	Section 21	Township 21-S	Range 24-E	Lot. Idn	Feet from the 429	North/South Line SOUTH	Feet from the 326	East/West line WEST	County EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. I	Section 20	Township 21-S	Range 24-E	Lot. Idn	Feet from the 1524	North/South Line SOUTH	Feet from the 887	East/West line EAST	County EDDY
¹² Dedicated Acres 320 E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

IHU # 31 Project Area Producing Area BHL 287' Upper Penn. Base Upper Penn. Top IHU 18 SHL 326' 429'						¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Jerry Fletcher</u> Printed Name <u>Jerry Fletcher</u> Title <u>Engineer Tech.</u> Date <u>6/15/01</u>
						¹⁸ 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. Date of Survey _____ Signature and Seal of Professional Surveyor: _____ Certificate Number _____

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Marathon Oil Company



Indian Hills Unit #33

slot #1
Indian Basin
EDDY COUNTY, NM.

PROPOSAL LISTING

by
Baker Hughes INTEQ

Your ref : Rev 4
Our ref : prop2714
License :

Date printed : 14-Jun-2001
Date created : 16-Feb-2001
Last revised : 14-Jun-2001

Field is centred on n32 30 0.000,w104 30 0
Structure is centred on n32 30 0.000,w104 30 0

Slot location is n32 30 0.000,w104 30 0.000
Slot Grid coordinates are N 545652.918, E 448616.515
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is True North

Indian Hills Unit #33

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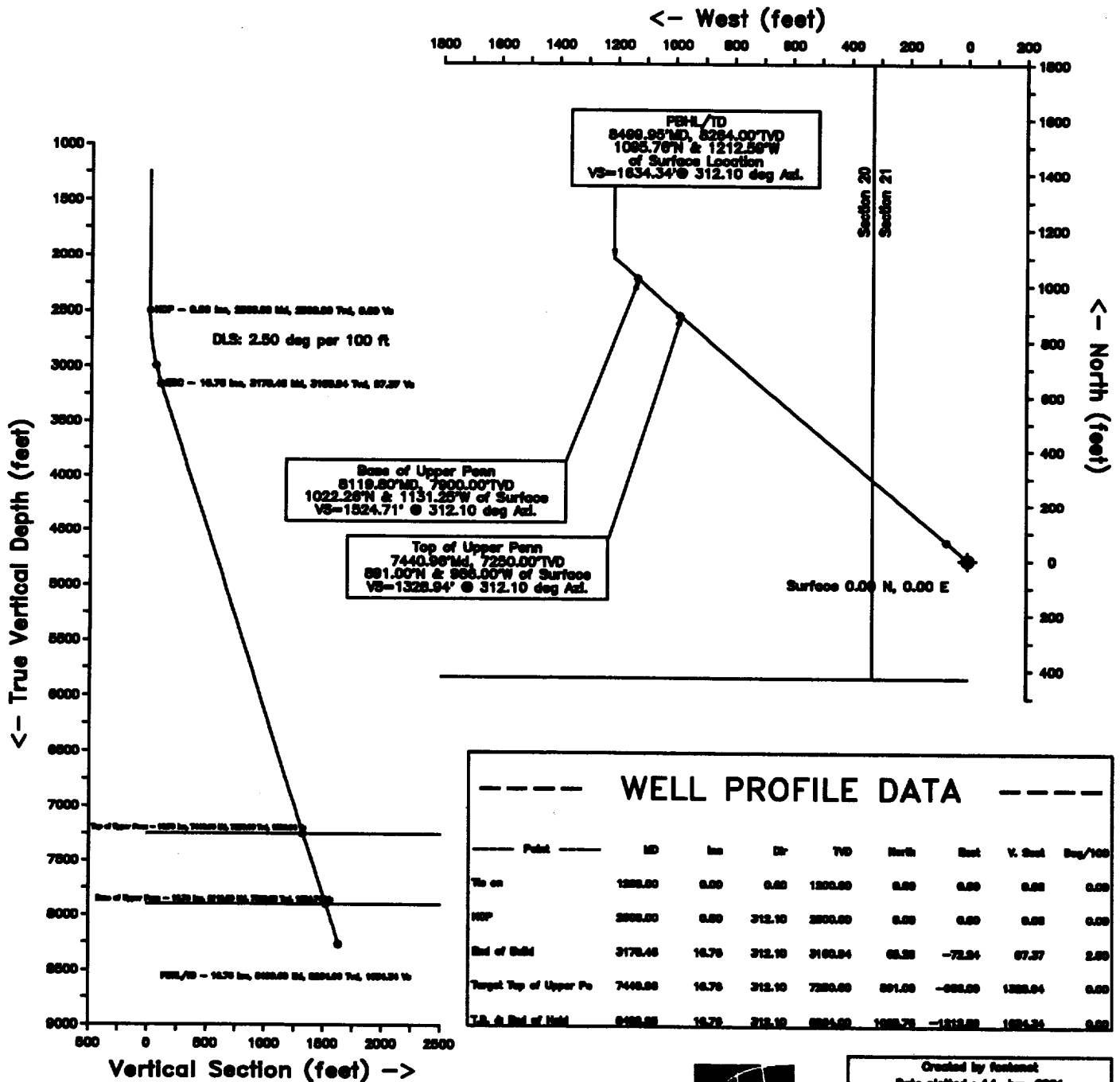
Marathon Oil Company

Structure : Indian Hills Unit #33

Slot : slot #1

Field : Indian Basin

Location : EDDY COUNTY, NM.



Vertical Section (feet) ->

BAKER HUGHES
INTEQ

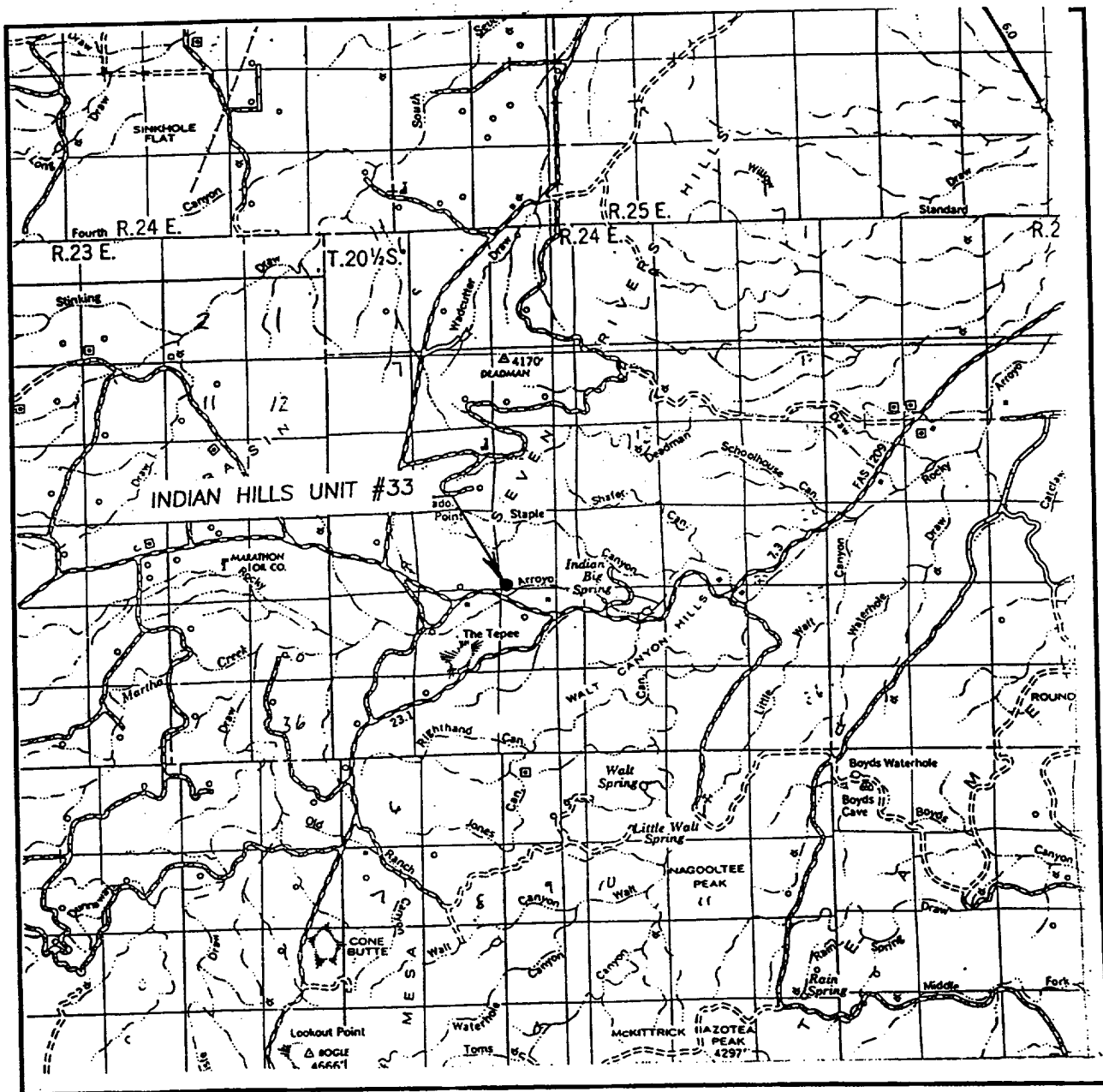
Created by Resonant
Date plotted : 14-Jun-2001
Plot Reference is Rev 3.
Coordinates are in feet reference structure.
True Vertical Depth are reference structure.
Baker Hughes INTEQ

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Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	RECTANGULAR COORDINATES		Dogleg Deg/100ft	Vert Sect	
1200.00	0.00	0.00	1200.00	0.00 N	0.00 E	0.00	0.00	
1300.00	0.00	312.10	1300.00	0.00 N	0.00 E	0.00	0.00	
1400.00	0.00	312.10	1400.00	0.00 N	0.00 E	0.00	0.00	
1500.00	0.00	312.10	1500.00	0.00 N	0.00 E	0.00	0.00	
1600.00	0.00	312.10	1600.00	0.00 N	0.00 E	0.00	0.00	
1700.00	0.00	312.10	1700.00	0.00 N	0.00 E	0.00	0.00	
1800.00	0.00	312.10	1800.00	0.00 N	0.00 E	0.00	0.00	
1900.00	0.00	312.10	1900.00	0.00 N	0.00 E	0.00	0.00	
2000.00	0.00	312.10	2000.00	0.00 N	0.00 E	0.00	0.00	
2100.00	0.00	312.10	2100.00	0.00 N	0.00 E	0.00	0.00	
2200.00	0.00	312.10	2200.00	0.00 N	0.00 E	0.00	0.00	
2300.00	0.00	312.10	2300.00	0.00 N	0.00 E	0.00	0.00	
2400.00	0.00	312.10	2400.00	0.00 N	0.00 E	0.00	0.00	
2500.00	0.00	312.10	2500.00	0.00 N	0.00 E	0.00	0.00	KOP
2600.00	2.50	312.10	2599.97	1.46 N	1.62 W	2.50	2.18	
2700.00	5.00	312.10	2699.74	5.85 N	6.47 W	2.50	8.72	
2800.00	7.50	312.10	2799.14	13.15 N	14.55 W	2.50	19.61	
2900.00	10.00	312.10	2897.97	23.35 N	25.83 W	2.50	34.82	
3000.00	12.50	312.10	2996.04	36.42 N	40.31 W	2.50	54.33	
3100.00	15.00	312.10	3093.17	52.36 N	57.94 W	2.50	78.09	
3170.46	16.76	312.10	3160.94	65.29 N	72.24 W	2.50	97.37	EOC
3500.00	16.76	312.10	3476.48	129.00 N	142.76 W	0.00	192.41	
4000.00	16.76	312.10	3955.23	225.68 N	249.74 W	0.00	336.60	
4500.00	16.76	312.10	4433.99	322.36 N	356.73 W	0.00	480.80	
5000.00	16.76	312.10	4912.75	419.03 N	463.71 W	0.00	624.99	
5500.00	16.76	312.10	5391.50	515.71 N	570.69 W	0.00	769.19	
6000.00	16.76	312.10	5870.26	612.39 N	677.68 W	0.00	913.38	
6500.00	16.76	312.10	6349.02	709.06 N	784.66 W	0.00	1057.58	
7000.00	16.76	312.10	6827.77	805.74 N	891.65 W	0.00	1201.77	
7440.96	16.76	312.10	7250.00	891.00 N	986.00 W	0.00	1328.94	Top of Upper Penn
7500.00	16.76	312.10	7306.53	902.42 N	998.63 W	0.00	1345.96	
8000.00	16.76	312.10	7785.29	999.09 N	1105.62 W	0.00	1490.16	
8119.80	16.76	312.10	7900.00	1022.26 N	1131.25 W	0.00	1524.71	Base of Upper Penn
8499.95	16.76	312.10	8264.00	1095.76 N	1212.59 W	0.00	1634.34	PBHL/TD

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VICINITY MAP



SCALE: 1" = 2 MILES

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

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 429' FSL & 326' FWL

ELEVATION 3667'

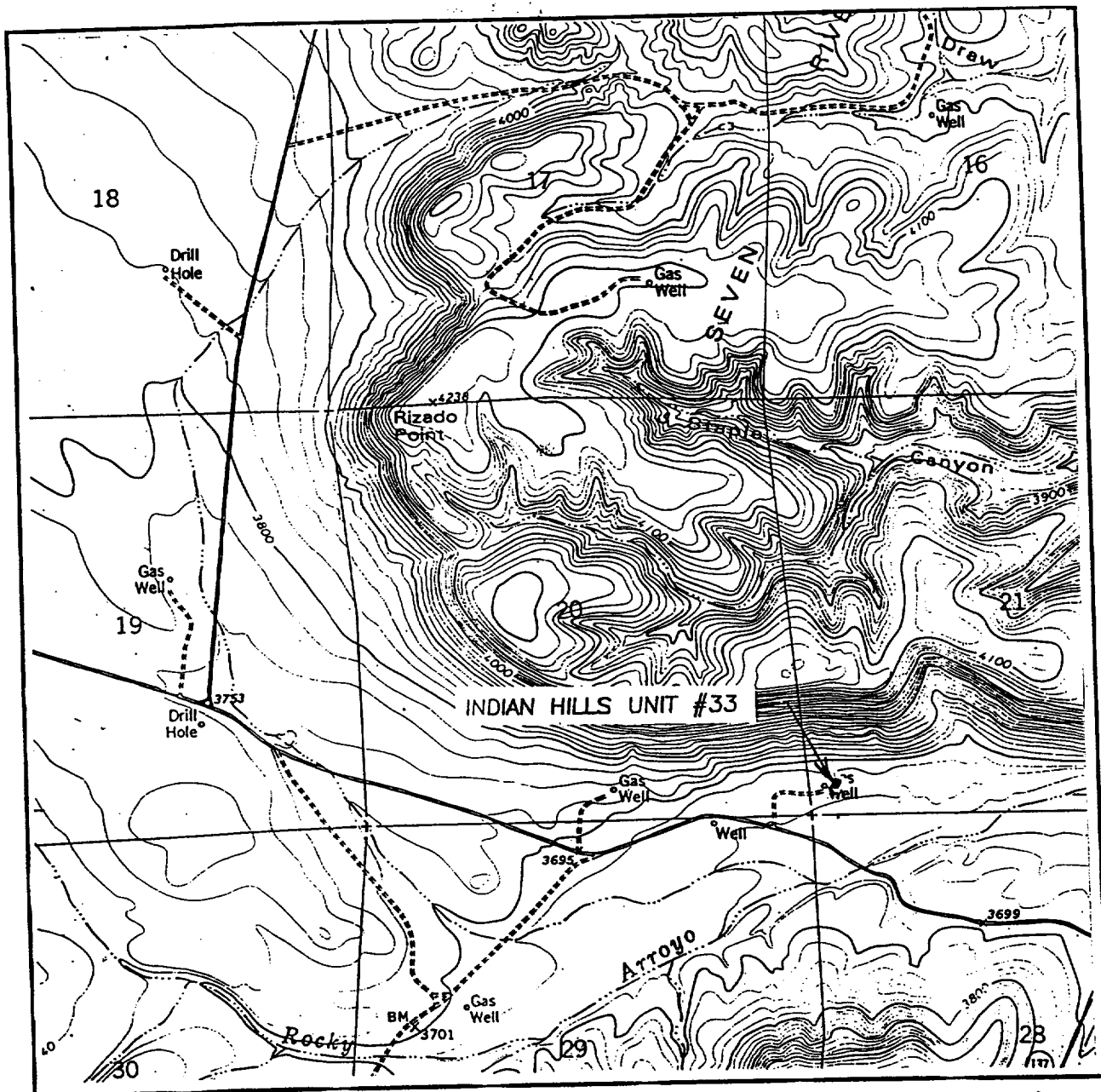
OPERATOR MARATHON OIL COMPANY

LEASE INDIAN HILLS UNIT

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

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LOCATIC V VERIFICATIO^N MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 20'
MARTHA CREEK N.M.

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

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 429'FSL & 326'FWL

ELEVATION 3667'

OPERATOR MARATHON OIL COMPANY

LEASE INDIAN HILLS UNIT

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

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