

To: Mike Stogner
 From: CHRIS WILLIAMS
 5/10/00

10 pgs.

Chart # 12425

SIDE TRACK 1

3680 F ₂	990 F _W
+ 66.12	- 5.23
<u>3673 F₂</u>	<u>995 F_W</u>

SIDE TRACK 2

	3680. F ₂	990 F _W
	- 256.61	+ 187.45
	<u>3806.61</u>	<u>1177.45</u>
LOT 13 BH	<u>3807 F₂</u>	<u>1177 F_W</u>
LOT 13 on 26 M	1- 16- 30	

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-34480
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Manzano Oil Corporation		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 2107, Roswell, NM 88202-2107		7. Lease Name or Unit Agreement Name: Cayuma
4. Well Location Unit Letter Lot 13 : 3580 feet from the South line and 990 feet from the West line Section 1 Township 16S Range 36E NMPM County Lea		8. Well No. 1
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3879'		9. Pool name or Wildcat NE Lovington Penn

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☒

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

2/19/2000 Ran 216 jts of S95 & N80 - 17# - 5-1/2" csg. Set @ 11,770'KB. Cemented w/220 sks Super C Modified.
 3/16/2000 Ran CBL-GR-CCL from PBTD 11,703' back to TOC of 10,100'. Perf 11,631-11,678' - total 14' - 22 holes.
 3/23/2000 Acidized w/23k gal 20% gelled acid.
 3/29/2000 9th hr - FTP (24/64") 200 psi - Rec 12 BF - 70% oil - CP 420 psi

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

SIGNATURE Allison Hernandez TITLE Engineering Technician DATE 3/30/2000

Type or print name Allison Hernandez Telephone No. (505) 623-1996
 (This space for State use)

ORIGINAL SIGNED BY CRITS WILLIAMS
 DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE 4/24/2000
 Conditions of approval, if any:

APR 24 2000

Submit 3 Copies To Appropriate District
Office

District I

1625 N. French Dr., Hobbs, NM 87240

District II

811 South First, Artesia, NM 87210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

Form C-103

Revised March 25, 1999

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-34480
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Manzano Oil Corporation		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 2107, Roswell, NM 88202-2107		7. Lease Name or Unit Agreement Name: Cayuma
4. Well Location Unit Letter Lot 13 : 3580 feet from the South line and 990 feet from the West line Section 1 Township 16S Range 36E NMPM County Lea		8. Well No. 1
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3879'		9. Pool name or Wildcat NE Lovington Penn

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐ CHANGE PLANS ☐PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐CASING TEST AND CEMENT JOB ☒OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

2/06/2000 Set 245 sks C1 H cement plug from 11,700' back to 11,400'.

2/07/2000 Tag cement plug @ 10,376'.

2/08/2000 Dressed cement plug to 10,500'.

2/16/2000 TD 11,770'.

Depth	Inclination	Azimuth	coordinates
11,770'	13.6°	50.6°	227°N 190° E from surface location

2/17/2000 TD 11,770'. DST #2 Strawn 11,610-770'. Pipe recovery: Top 83.5' of free 43.2° gravity oil. Middle 483.7' of highly oil & gas cut mud. Lower 304.6' of sli oil & highly gas cut mud.

2/19/2000 TD 11,770'. Ran 261 jts of S95 & N80 17# csg. Set @ 11,770'KB. Cemented w/220 sks Super C Modified. Tsg to 1700 psi - OK. Est TOC 10,500'.

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

SIGNATURE Allison Hernandez TITLE Engineering Technician DATE 3/16/2000

Type or print name Allison Hernandez Telephone No. (505) 623-1996
 (This space for State use)

APPROVED BY _____
 Conditions of approval, if any:

ORIGINAL SIGNED BY CHRIS WILSON
 DISTRICT I SUPERVISOR

DATE MAR 22 2000

all withdrawn
3/23/00
an

Submit 3 Copies To Appropriate District
Office
District I
1623 N. French Dr., Hobbs, NM 87240
District II
811 South First, Alamogordo, NM 87106
District III
1880 Rio Grande Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Form C-103

Revised March 21, 1999

SUNDY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL APINO: 30-025-34480
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Monzano Oil Corporation		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 2107, Roswell, NM 88202-2107		7. Lease Name or Unit Agreement Name: Cayuma
4. Well Location Unit Lease Lot 13, 3580 feet from the South line and 990 feet from the West line Section 1 Township 16S Range 36E NMPM County Lea		8. Well No.
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3879'		9. Pool name or Wildcat: NE Livingston Penn

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐ OTHER: ☐	SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐ CASING TEST AND CEMENT JOB ☒ OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

2/06/2000 Set 245 sks CI H cement plug from 11,700' back to 11,400' *10,70'*
2/07/2000 Tag cement plug @ 10,375' *10,400'*
2/08/2000 Dressed cement plug to 10,500'.
2/16/2000 TD 11,770'.
Depth 11,770' Inclination 13.6° Azimuth 50.8° coordinates 227°N 190°E from surface location
2/17/2000 TD 11,770'. DST #2 Strawn 11,610-770'. Pipe recovery: Top 83.5' of free 43.2" gravity oil. Middle 483.7' of highly oil & gas cut mud. Lower 304.6' of sli oil & highly gas cut mud.
2/19/2000 TD 11,770'. Ran 261 jts of S95 & N80 17# csg. Set @ 11,770' KB. Cemented w/220 sks Super C Modified. Tsg to 1700 psi - OK. Est TOC 10,500'.

Does not match our copy - well file. OK 5/10/00

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

SIGNATURE *Allison Hernandez* TITLE Engineering Technician DATE 3/16/2000

Type or print name Allison Hernandez Telephone No. (505) 623-1996
(This space for State use)

APPROVED BY *WINDMILL SUPERVISOR* DATE *2.6.1980*
Conditions of approval, if any.

SURVEY LISTING Page 2
Your ref : Sidetrack 2
Last revised : 23-Feb-2000

Manzano Oil Company
Cayuma 1A, slot #1
UNKNOWN, LEA COUNTY, NEW MEXICO

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
11693.00	13.40	48.80	11664.94	215.06 N 175.60 E	0.33	259.22
11730.00	13.60	50.60	11700.92	220.64 N 182.18 E	1.26	267.71
11770.00	13.60	50.60	11739.80	226.61 N 189.45 E	0.00	276.98

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 295.37 on azimuth 39.90 degrees from wellhead.
Vertical section is from wellhead on azimuth 60.22 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

Manzano Oil Company
Cayuma 1A, slot #1
UNKNOWN, LEA COUNTY, NEW MEXICO

SURVEY LISTING
Your ref : Sidetrack 2
Last revised : 23-Feb-2000

Page 1

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
9200.00	0.93	219.95	9199.50	57.45 N 29.57 W	0.00	2.87
9351.00	1.75	60.00	9350.48	57.66 N 28.36 W	1.75	4.02
9704.00	1.50	80.00	9703.34	61.16 N 19.14 W	0.17	13.76
10038.00	0.75	40.00	10037.28	63.59 N 13.43 W	0.31	19.93
10378.00	0.75	49.00	10377.25	66.76 N 10.32 W	0.03	24.20
10536.00	1.80	44.50	10535.21	69.21 N 7.80 W	0.67	27.60
10571.00	1.90	46.80	10570.19	70.00 N 6.99 W	0.36	28.69
10632.00	4.30	69.80	10631.10	71.48 N 4.11 W	4.36	31.93
10696.00	7.70	70.70	10694.74	73.73 N 2.19 E	5.31	38.52
10759.00	8.70	69.20	10757.09	76.81 N 10.63 E	1.62	47.37
10821.00	9.00	60.60	10818.36	80.86 N 19.24 E	2.19	56.85
10883.00	10.20	53.20	10879.49	86.53 N 27.86 E	2.77	67.15
10946.00	11.00	52.10	10941.42	93.56 N 37.07 E	1.31	78.64
11007.00	11.60	52.70	11001.23	100.85 N 46.54 E	1.00	90.48
11071.00	12.20	52.30	11063.86	108.89 N 57.01 E	0.95	103.56
11132.00	13.40	51.30	11123.34	117.25 N 67.62 E	2.00	116.93
11164.00	13.70	49.50	11154.45	122.03 N 73.40 E	1.62	124.31
11224.00	15.70	44.50	11212.49	132.43 N 84.49 E	3.94	139.11
11286.00	17.20	46.50	11271.95	144.73 N 97.02 E	2.59	156.09
11317.00	16.80	48.30	11301.59	150.86 N 103.69 E	2.13	164.93
11378.00	16.20	49.70	11360.08	162.23 N 116.77 E	1.18	181.92
11441.00	15.70	48.10	11420.66	173.61 N 129.81 E	1.06	198.89
11513.00	15.00	47.20	11490.09	186.45 N 143.90 E	1.03	217.50
11566.00	13.90	46.60	11541.41	195.48 N 153.56 E	2.09	230.37
11629.00	13.20	49.10	11602.66	205.39 N 164.49 E	1.45	244.78

All data is in feet unless otherwise stated.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 295.37 on azimuth 39.90 degrees from wellhead.

Vertical section is from wellhead on azimuth 60.22 degrees.

Calculation uses the minimum curvature method.

Presented by Baker Hughes INTEQ

Manzano Oil Company
Cayuma 1A

slot #1
UNKNOWN
LEA COUNTY, NEW MEXICO

S U R V E Y L I S T I N G

by
Baker Hughes INTEQ

Your ref : Sidetrack 2
Our ref : svy1354
License :

Date printed : 23-Feb-2000
Date created : 9-Feb-2000
Last revised : 23-Feb-2000

Field is centred on n33 30 0.000,w103 30 0
Structure is centred on n33 30 0.000,w103 30 0

Slot location is n33 30 0.000,w103 30 0.000
Slot Grid coordinates are N 910447.292, E 754038.883
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

SURVEY LISTING Page 1
Your ref : Sidetrack
Last revised : 23-Feb-2000

CONCHO

Manzano Oil Company
Cayuma 1A, slot #1
UNKNOWN, LEA COUNTY, NEW MEXICO

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
9200.00	0.93	219.95	9199.50	57.45 N	0.00	63.66
9351.00	1.75	60.00	9350.48	57.66 N	1.75	63.50
9704.00	1.50	80.00	9703.34	61.16 N	0.17	64.09
10038.00	0.75	40.00	10037.28	63.59 N	0.31	64.70
10378.00	0.75	49.00	10377.25	66.76 N	0.03	66.79
10661.00	0.50	29.00	10660.23	69.05 N	0.12	68.39
10944.00	0.75	34.00	10943.22	71.67 N	0.09	70.40
11282.00	1.00	119.00	11281.19	72.07 N	0.35	69.64
11595.00	1.00	129.00	11594.14	69.03 N	0.06	65.39
11860.00	1.00	129.00	11859.10	66.12 N	0.00	61.54

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 66.33 on azimuth 4.52 degrees from wellhead.
Vertical section is from wellhead on azimuth 342.62 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

Manzano Oil Company
Cayuma 1A

slot #1
UNKNOWN
LEA COUNTY, NEW MEXICO

S U R V E Y L I S T I N G

by
Baker Hughes INTEQ

Your ref : Sidetrack
Our ref : svy1347
License :

Date printed : 23-Feb-2000
Date created : 27-Jan-2000
Last revised : 23-Feb-2000

Field is centred on n33 30 0.000,w103 30 0
Structure is centred on n33 30 0.000,w103 30 0

Slot location is n33 30 0.000,w103 30 0.000
Slot Grid coordinates are N 910447.292, E 754038.883
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

Manzano Oil Company

Structure : Cayuma 1A

Slot : slot #1

Field : UNKNOWN

Location : LEA COUNTY, NEW MEXICO

East (feet) -->

80 40 0 40 80 120 160 200 240

BHL - Sidetrack No.2
11770 MD, 11739.8 TVD
228.61' N & 189.45' E of Surface
Closure - 295.37' @ 39.9 deg Azimuth

BHL - Sidetrack No.1
11860 MD, 11859.1 TVD
66.12' N & 5.23' E of Surface
Closure - 68.33' @ 4.52 Degrees Azimuth

Surface 0.00 N, 0.00 E

<-- North (feet)

280
240
200
160
120
80
40
0
40

<-- True Vertical Depth (feet)

10200
10300
10400
10500
10600
10700
10800
10900
11000
11100
11200
11300
11400
11500
11600
11700
11800
11900
12000

Vertical Section (feet) -->

Azimuth 39.90 with reference 0.00 N, 0.00 E from slot #1

100 0 100 200 300 400 500 600



**BAKER
HUGHES**

INTEQ

Created by ber/w
Date plotted : 23-Feb-2000
Plot Reference is Sidetrack
Coordinates are in feet reference slot #1.
True Vertical Depths are reference rotary table.

--- Baker Hughes INTEQ ---