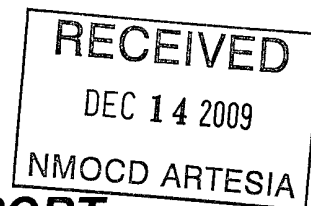


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PATHFINDER

An Operating Unit of Smith International, Inc.



DIRECTIONAL SURVEY REPORT

YATES PETROLEUM

HARACZ AMO FEDERAL # 9H

EDDY COUNTY, NEW MEXICO

PREPARED BY: FRANCISCO SINISTERRA

Pathfinder Energy Services, Inc.
6213 W. Interstate 20 • Midland, TX • 79706
(432) 681-6000

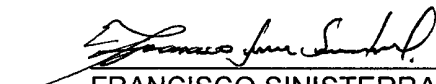
742

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) STEWART ROBERTSON
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 8/15/09 TO 9/10/09
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY, NM
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

YATES PETROLEUM
HARACZ AMO FEDERAL # 9H
EDDY COUNTY, NM
RIG: SILVER OAK #10
9. SURVEY CERTIFIED FROM: 7779 TO 11845 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 3830.12 FEET ON A BEARING OF 358.92 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 11890 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.


FRANCISCO SINISTERRA
MWD COORDINATOR

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 08/15/2009
Date Completed: 09/10/2009

YATES PETROLEUM
HARACZFED9
EDDY COUNTY, NEW MEXICO
Rig:SILVER OAK #10
PathFinder Office Supervisor: FRANCISCO SINISTERRA
PathFinder Field Engineers:DAVID BAKER
STEWART ROBERTSON

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.11.46.8449 N LON:103.44.31.8600 W
GRID Reference:NAD83 new mexico east Transverse Mercator
Ref GRID Coord: X: 724196.7720 Y: 435667.6090
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.56° EAST TO GRID
Vertical Section Plane: 359.62
Survey Vert. Reference: 20.00' Kelly Bushing To Ground
Altitude:3549.00' Ground To MSL

Measured Depth	11890.00	(feet)
Inclination	92.77	(deg)
Azimuth	0.40	(deg)
True Vertical Depth	8333.42	(feet)
Vertical Section	3829.83	(feet)
Survey X cord	724124.25	(feet)
Survey Y cord	439497.04	(feet)
Survey Lat	32.20687313 N	(deg)
Survey Lon	103.74234973 W	(deg)
Rectangular Corr. N/S	3829.43 N	(feet)
Rectangular Corr. E/W	72.52 W	(feet)
Closure Distance	3830.12	(feet)
Direction of Closure	358.92	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

YATES PETROLEUM

HARACZFED9

EDDY COUNTY, NEW MEXICO

Rig:SILVER OAK #10

PathFinder Office Supervisor: FRANCISCO SINISTERRA

PathFinder Field Engineers: DAVID BAKER

STEWART ROBERTSON

Survey Horiz. Reference:WELLHEAD

Ref Coordinates: LAT:32.11.46.8449 N LON:103.44.31.8600 W

Reference:NAD83 new mexico east Transverse Mercator

Ref GRID Coord: X: 724196.7720 Y: 435667.6090

North Aligned To:GRID NORTH

Total Magnetic Correction: 7.56° EAST TO GRID

Vertical Section Plane: 359.62

Survey Vert. Reference: 20.00' Kelly Bushing To Ground

Altitude:3549.00' Ground To MSL

Survey Calculations by RX5 V5.11i using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist (ft)	Dir (deg)	DLS (dg/100ft)
TIE-IN TO MS GYRO SURVEY @ 7740'MD.										
7740.00	0.50	206.56	7739.26	0.00	17.11	17.07 N	6.06 W	18.11@	340.45	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
7779.00	0.62	214.39	7778.26	39.00	16.78	16.74 N	6.26 W	17.87@	339.51	0.36
7811.00	1.85	52.03	7810.25	32.00	16.96	16.92 N	5.95 W	17.93@	340.64	7.65
7843.00	6.24	21.25	7842.17	32.00	18.89	18.86 N	4.91 W	19.49@	345.41	14.83
7875.00	11.52	10.85	7873.78	32.00	23.65	23.62 N	3.67 W	23.91@	351.16	17.18
7907.00	16.88	5.34	7904.79	32.00	31.41	31.39 N	2.64 W	31.50@	355.19	17.26
7939.00	21.63	2.51	7934.99	32.00	41.93	41.92 N	1.95 W	41.96@	357.34	15.12
7970.00	26.20	0.50	7963.32	31.00	54.48	54.47 N	1.64 W	54.50@	358.28	14.97
8002.00	30.51	358.85	7991.48	32.00	69.68	69.67 N	1.74 W	69.69@	358.57	13.69
8033.00	34.91	358.90	8017.55	31.00	86.42	86.41 N	2.07 W	86.44@	358.63	14.19
8065.00	37.64	359.80	8043.35	32.00	105.35	105.34 N	2.28 W	105.36@	358.76	8.69
8098.00	41.68	359.34	8068.75	33.00	126.41	126.40 N	2.44 W	126.42@	358.89	12.28
8130.00	44.93	359.41	8092.03	32.00	148.36	148.34 N	2.68 W	148.36@	358.97	10.16
8162.00	46.17	1.60	8114.44	32.00	171.19	171.18 N	2.47 W	171.20@	359.17	6.23
8194.00	45.90	1.85	8136.66	32.00	194.21	194.20 N	1.78 W	194.21@	359.47	1.01
8225.00	47.92	1.80	8157.83	31.00	216.83	216.83 N	1.06 W	216.83@	359.72	6.52
8257.00	51.53	1.74	8178.52	32.00	241.22	241.23 N	0.31 W	241.23@	359.93	11.28
8288.00	54.26	1.66	8197.22	31.00	265.93	265.94 N	0.43 E	265.94@	0.09	8.81
8319.00	55.66	0.84	8215.02	31.00	291.30	291.31 N	0.98 E	291.31@	0.19	5.01
8349.00	57.68	0.35	8231.50	30.00	316.36	316.37 N	1.24 E	316.38@	0.22	6.87
8380.00	60.76	359.67	8247.36	31.00	342.99	343.00 N	1.24 E	343.01@	0.21	10.11
8412.00	63.05	359.59	8262.43	32.00	371.22	371.23 N	1.06 E	371.23@	0.16	7.16

PathFinder Energy Services, Inc.

Survey Report

YATES PETROLEUM
HARACZFED9
EDDY COUNTY, NEW MEXICO
RIG:SILVER OAK #10

Page 02/03

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
8444.00	65.51	359.67	8276.32	32.00	400.04	400.06 N	0.87 E	400.06@	0.12	7.69
8475.00	67.97	358.93	8288.56	31.00	428.52	428.53 N	0.52 E	428.53@	0.07	8.23
8507.00	70.61	357.96	8299.87	32.00	458.44	458.45 N	0.29 W	458.45@	359.96	8.72
8539.00	72.81	358.04	8309.91	32.00	488.81	488.81 N	1.35 W	488.82@	359.84	6.88
8570.00	75.27	358.13	8318.44	31.00	518.61	518.60 N	2.35 W	518.61@	359.74	7.94
8602.00	77.38	357.98	8326.00	32.00	549.68	549.67 N	3.40 W	549.68@	359.65	6.61
8634.00	78.61	357.28	8332.66	32.00	580.96	580.95 N	4.70 W	580.97@	359.54	4.40
8666.00	80.81	357.23	8338.37	32.00	612.42	612.39 N	6.21 W	612.43@	359.42	6.88
8698.00	84.59	357.45	8342.44	32.00	644.13	644.09 N	7.68 W	644.14@	359.32	11.83
8760.00	90.57	0.31	8345.06	62.00	706.04	705.99 N	8.89 W	706.05@	359.28	10.69
8853.00	91.36	1.35	8343.49	93.00	799.00	798.97 N	7.54 W	799.00@	359.46	1.40
8948.00	91.36	3.59	8341.24	95.00	893.85	893.85 N	3.45 W	893.85@	359.78	2.36
9042.00	89.69	3.42	8340.37	94.00	987.63	987.66 N	2.30 E	987.67@	0.13	1.79
9138.00	91.36	3.95	8339.49	96.00	1083.38	1083.46 N	8.47 E	1083.49@	0.45	1.82
9233.00	89.69	0.92	8338.62	95.00	1178.24	1178.35 N	12.51 E	1178.42@	0.61	3.64
9329.00	89.78	359.44	8339.07	96.00	1274.24	1274.35 N	12.81 E	1274.41@	0.58	1.54
9423.00	90.92	359.99	8338.49	94.00	1368.23	1368.34 N	12.34 E	1368.40@	0.52	1.35
9519.00	89.78	356.86	8337.91	96.00	1464.20	1464.29 N	9.70 E	1464.32@	0.38	3.47
9614.00	90.66	355.96	8337.54	95.00	1559.04	1559.10 N	3.75 E	1559.11@	0.14	1.33
9709.00	89.69	353.73	8337.25	95.00	1653.71	1653.71 N	4.78 W	1653.72@	359.83	2.56
9805.00	91.19	354.29	8336.52	96.00	1749.24	1749.18 N	14.80 W	1749.24@	359.52	1.67
9900.00	90.40	353.25	8335.20	95.00	1843.74	1843.61 N	25.11 W	1843.78@	359.22	1.37
9996.00	90.48	352.15	8334.46	96.00	1939.03	1938.83 N	37.31 W	1939.19@	358.90	1.15
10091.00	90.92	352.86	8333.30	95.00	2033.29	2033.01 N	49.70 W	2033.62@	358.60	0.88
10187.00	90.22	354.09	8332.34	96.00	2128.73	2128.38 N	60.61 W	2129.24@	358.37	1.47
10283.00	90.13	354.33	8332.05	96.00	2224.31	2223.89 N	70.29 W	2225.00@	358.19	0.27
10378.00	88.20	356.40	8333.44	95.00	2319.02	2318.56 N	77.97 W	2319.87@	358.07	2.98

PathFinder Energy Services, Inc.

Survey Report

YATES PETROLEUM
HARACZFED9
EDDY COUNTY, NEW MEXICO
RIG:SILVER OAK #10

Page 03/03

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
10474.00	88.20	359.16	8336.45	96.00	2414.92	2414.43 N	81.68 W	2415.81@	358.06	2.87
10569.00	87.76	358.86	8339.80	95.00	2509.85	2509.36 N	83.32 W	2510.74@	358.10	0.56
10665.00	87.85	359.17	8343.48	96.00	2605.78	2605.27 N	84.97 W	2606.66@	358.13	0.34
10760.00	88.20	359.79	8346.75	95.00	2700.72	2700.21 N	85.83 W	2701.57@	358.18	0.75
10856.00	87.41	359.77	8350.43	96.00	2796.65	2796.14 N	86.20 W	2797.47@	358.23	0.82
10951.00	88.20	0.64	8354.07	95.00	2891.57	2891.07 N	85.86 W	2892.34@	358.30	1.24
11047.00	88.46	0.89	8356.86	96.00	2987.51	2987.02 N	84.58 W	2988.21@	358.38	0.38
11142.00	90.04	0.78	8358.11	95.00	3082.48	3082.00 N	83.20 W	3083.12@	358.45	1.67
11238.00	93.03	1.07	8355.54	96.00	3178.41	3177.94 N	81.65 W	3178.99@	358.53	3.13
11333.00	91.63	1.37	8351.67	95.00	3273.29	3272.83 N	79.63 W	3273.80@	358.61	1.51
11429.00	91.98	1.55	8348.65	96.00	3369.19	3368.76 N	77.18 W	3369.64@	358.69	0.41
11523.00	91.28	0.99	8345.98	94.00	3463.12	3462.69 N	75.10 W	3463.51@	358.76	0.95
11614.00	91.01	359.76	8344.16	91.00	3554.09	3553.67 N	74.50 W	3554.45@	358.80	1.38
11703.00	91.71	0.61	8342.05	89.00	3643.06	3642.65 N	74.22 W	3643.40@	358.83	1.24
11795.00	93.12	0.58	8338.17	92.00	3734.96	3734.56 N	73.26 W	3735.27@	358.88	1.53
11845.00	92.77	0.40	8335.60	50.00	3784.89	3784.49 N	72.83 W	3785.19@	358.90	0.79
STRAIGHT LINE PROJECTION TO BIT DEPTH @ 11890'MD.										
11890.00	92.77	0.40	8333.42	45.00	3829.83	3829.43 N	72.52 W	3830.12@	358.92	0.00

TIE-IN SURVEY INFORMATION SHEET

CLIENT INFORMATION

CLIENT:	YATES PETROLEUM		
LEASE / WELL No.:	HARACZ AMO FEDERAL	#9H	
WELL LOCATION:	EDDY COUNTY		
COUNTY / STATE / COUNTRY:	EDDY	NM	USA
RIG:	SILVER OAK 10		
API WELL No:	30-015-37153		
JOB No:	101008827-WT-WT		
P.O. / AFE No.	92050		
DIRECTIONAL COMPANY:	PATHFINDER ENERGY SERVICES		

WELL SITE INFORMATION

TOTAL MAGNETIC CORRECTION (TMC):			
On Wall Plat:	7.56	LWD Calculated:	7.555471
		Agreed Upon:	7.56
X =	724196.772000	Feet	Y = 435667.609000
			Feet
SITE LATITUDE:	32.196346 N	SITE LONGITUDE:	103.742183 W
GRID SYSTEM:	TRUE ☐ UTM ☒ LAMBERT ☐	ZONE:	NEW MEXICO EAST
PROPOSED DRIFT DIRECTION:	359.62		
KELLY BUSHING ELEVATION:	20		
ALTITUDE:	3567	Feet	WATER DEPTH:
			Feet

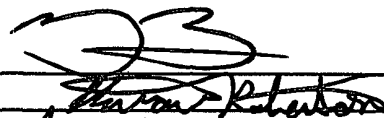
TIE-IN SURVEY

MEASURED DEPTH:	7740		
DRIFT ANGLE:	0.5		
DRIFT DIRECTION:	206.56		
TRUE VERTICAL DEPTH:	7739.26		
VERTICAL SECTION:	17.11		
RECTANGULAR COORDINATE (N / S):	17.07		
RECTANGULAR COORDINATE (E / W):	-6.06		
CLOSURE DISTANCE / DIRECTION:	18.12	340.46	
SURVEY CALCULATION METHOD:	AA ☐	MC ☒	RC ☐ BT ☐
SOURCE OF TIE-IN DATA (COMPANY):	MS Survey		
COPY OF TIE-IN SURVEY REPORT	☒ YES ☐ NO		

WELL PLAN

KICKOFF DEPTH:	7842.5	TOTAL DEPTH:	12737.84
KICKOFF ANGLE:	0	MAX ANGLE:	90

PES Engineers:



Harmon Robertson

**Signature of both field engineers required if applicable

Directional Driller:



Richard Hill

DATE: 23-Aug-09



CUSTOMER: YATES PETROLEUM COMPANY

JOB NUMBER: 505677

WELL NAME: HARACZ AMO FEDERAL #9H

LOCATION: EDDY COUNTY, NEW MEXICO

SURVEY DATE: 2009/08/23

SURVEYOR: S. SMITH

VERTICAL SEC: 259.62

DECLINATION: 7.55 E TO GRID

COMMENTS: SILVER OAK 10
RKB 20'
EMAILTBUSSELL@YATESPETROL
MIKEL@YATESPETROLEUM.COM

MEASURED DEPTH	VERTICAL DEPTH	VERTICAL SECTION	INCLINATION ANGLE	BEARING AZIMUTH	COORDINATES		DOG-LEG PER 100	STATION DISPLACEMENT	DISPLACEMENT DIRECTION
					LATITUDE	DEPARTURE			
0	0	0	0	0	0	0	0	0	0
200	200	0.08	0.25	280.4	0.08	-0.43	0.13	0.44	280.4
400	400	0.46	0.25	313.26	0.46	-1.18	0.07	1.26	291.22
600	600	1.04	0.25	308.13	1.02	-1.84	0.01	2.1	299.16
800	799.99	1.8	0.5	303.99	1.78	-2.9	0.13	3.41	301.54
1000	999.98	2.89	0.5	312.86	2.86	-4.27	0.04	5.14	303.87
1200	1199.97	4.59	1	308.73	4.55	-6.27	0.25	7.75	305.97
1400	1399.93	6.36	1.25	287.59	6.3	-9.71	0.24	11.57	302.98
1600	1599.89	7.46	1	283.46	7.37	-13.49	0.13	15.37	298.64
1800	1799.87	8.42	0.75	294.32	8.31	-16.38	0.15	18.36	296.91
2000	1999.84	10.97	1.25	336.18	10.85	-18.45	0.43	21.4	300.45
2200	2199.8	14.46	1	328.05	14.32	-20.25	0.15	24.81	305.27
2400	2399.78	17.24	0.75	352.91	17.1	-21.34	0.22	27.35	308.71
2600	2599.77	18.97	0.25	349.78	18.83	-21.58	0.25	28.64	311.11
2800	2799.76	17.7	1	167.64	17.56	-21.28	0.62	27.59	309.52
3000	2999.72	13.82	1.25	172.51	13.69	-20.62	0.13	24.75	303.57
3200	3199.69	10.48	0.75	205.37	10.34	-20.9	0.37	23.32	296.33
3400	3399.69	9.73	0.25	9.24	9.59	-21.39	0.5	23.44	294.15
3600	3599.68	10.41	0.5	285.97	10.28	-22.16	0.27	24.42	294.84
3800	3799.68	11.03	1	77.16	10.89	-21.3	0.73	23.92	297.08
4000	3999.59	11.99	2.25	81.04	11.89	-15.72	0.63	19.71	307.1
4200	4199.44	11.94	2.25	98.91	11.89	-7.96	0.35	14.31	326.2
4400	4399.37	12.08	0.75	53.76	12.06	-3.03	0.9	12.43	345.91
4600	4599.35	14.06	0.75	21.62	14.05	-1.49	0.21	14.13	353.95
4800	4799.34	16.02	0.5	30.49	16.02	-0.56	0.13	16.03	357.98
5000	4999.33	17.78	0.75	39.35	17.78	0.71	0.13	17.79	2.28
5200	5199.32	19.19	0.25	22.22	19.2	1.7	0.26	19.27	5.07
5400	5399.32	20.44	0.5	11.08	20.46	2.04	0.13	20.56	5.69
5600	5599.31	21.72	0.25	343.95	21.73	2.08	0.15	21.83	5.48
5800	5799.31	22.56	0.25	342.52	22.57	1.83	0	22.64	4.64
6000	5999.31	23.38	0.25	337.08	23.39	1.53	0.01	23.44	3.75
6200	6199.31	23.49	0.25	228.65	23.5	1.03	0.2	23.52	2.52
6400	6399.3	22.86	0.5	246.21	22.86	-0.09	0.14	22.86	359.77
6600	6599.3	22.54	0.25	272.78	22.53	-1.33	0.15	22.57	356.63
6800	6799.3	22.72	0.25	291.34	22.71	-2.17	0.04	22.81	354.54
7000	6999.3	22.5	0.25	150.91	22.49	-2.36	0.24	22.61	354
7200	7199.29	21.13	0.75	220.47	21.11	-3	0.35	21.32	351.91
7400	7399.28	19.57	0.5	229.04	19.54	-4.51	0.13	20.06	347.01
7600	7599.27	18.21	0.5	204.6	18.18	-5.53	0.11	19	343.07
7740	7739.26	17.11	0.5	206.56	17.07	-6.06	0.01	18.12	340.46

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

YATES PETROLEUM CORP.
HARACZ AMO FEDERAL #9H
EDDY COUNTY, NEW MEXICO
Rig:SILVER OAK 10

Thu Aug 13 13:38:28 2009

Coordinates

Latitude: 32.196346 N (32 deg. 11 min. 46.8449 sec.)
Longitude: 103.742183 W (-103 deg. 44 min. 31.8600 sec.)
Elevation: 3567.00 feet.
Calculation Date: Aug/13/2009

Magnetic Calculations

Model: IGRF2005
Dip Angle: 60.1935 degrees
Total Magnetic Field: 0.48793 gauss
Magnetic Declination: 7.870457 degrees
Horizontal Intensity: 0.242535 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 7.870457 Degr

Transverse Mercator Grid Calculations NAD83

Grid System: Transverse Mercator: new mexico east
Ellipsoid: GRS80
X: 724196.7720 feet
Y: 435667.6090 feet
True to Grid: (convergence) -0.314986 degrees
Magnetic to Grid: 7.555471 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 7.555471 Degr.

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

Yates Petroleum
Haracz AMO Federal #9H
Eddy County
Rig: Silver Oak 10

Sat Aug 15 10:32:40 2009

Coordinates

Latitude: 32.196346 N (32 deg. 11 min. 46.8449 sec.)
Longitude: 103.742183 W (-103 deg. 44 min. 31.8600 sec.)
Elevation: 3585.00 feet.
Calculation Date: Aug/14/2009

Magnetic Calculations

Model: IGRF2005
Dip Angle: 60.1935 degrees
Total Magnetic Field: 0.48792 gauss
Magnetic Declination: 7.870123 degrees
Horizontal Intensity: 0.242534 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 7.870123 Degs

Transverse Mercator Grid Calculations NAD83

Grid System: Transverse Mercator: new mexico east
Ellipsoid: GRS80
X: 724196.7720 feet
Y: 435667.6090 feet
True to Grid: (convergence) -0.314986 degrees
Magnetic to Grid: 7.555137 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 7.555137 Degs.

ATS-09-389 KM

OCD Artesia

0745

Form 3160-3
(August 2007)

0.36 acres

JUL 13 2009

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER		5. Lease Serial No. NM-57274
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Yates Petroleum Corporation 025575		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 105 South Fourth Street, Artesia, NM 88210	3b. Phone No. (include area code) 505-748-1471	8. Lease Name and Well No. Haracz AMO Federal #9H
4. Location of well (Report location clearly and in accordance with any State requirements *) At surface 330' FSL & 660' FEL, UL P, SWSW SE SE At proposed prod. zone 330' FNL & 660' FEL, UL A, NENE		9. API Well No. 30-015-37153
14. Elevations (Show whether DF, KDB, RT, GL, etc.) This well is approximately 29 miles east of Carlsbad, NM		10. Field and Pool, or Exploratory Poker Lake, West Delaware, East
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg unit line, if any) 330'		11. Sec, T, R., M, or Blk And Survey or Area Section 23-T24S-R31E
16. No of acres in lease 1743.52		12. County or Parish Eddy
17. Spacing Unit dedicated to this well E2E2		13. State NM
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. None		20. BLM/ BIA Bond No on file NATIONWIDE BOND #NMB000434
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3549' GL		22. Approximate date work will start* ASAP
23. Estimated duration		

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 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 must be filed with the appropriate Forest Service Office) | 6. Such other site specific information and/ or plans as may be required by the BLM |

25. Signature 	Name (Printed/ Typed) Cy Cowan	Date 6/11/09
Title Land Regulatory Agent		
Approved By (Signature) 	Name (Printed/ Typed)	Date 6/13/09
Title FIELD MANAGER	Office	

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 operations thereon

APPROVAL FOR TWO YEARS

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 wilfully 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

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Carlsbad Controlled Water Basin

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

DISTRICT I

1625 N. French Dr., Hobbs, 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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-05-37153	Pool Code 50388	Pool Name Doker Lake Wildcat Delaware; East
Property Code 14835	Property Name HARACZ "AMO" FEDERAL	Well Number 9H
OGRID No. 025575	Operator Name YATES PETROLEUM CORP.	Elevation 3549'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	24 S	31 E		330	SOUTH	660	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
A	23	24 S	31 E		330	NORTH	660	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

BOTTOM HOLE LOCATION Lat - N 32°12'32.59" Long - W 103°44'31.92" NMSPC- N 440290.289 E 724165.890 (NAD-83) PROJECT AREA PRODUCING AREA PENETRATION POINT 807' FSL and 660' FEL SURFACE LOCATION Lat - N 32°11'46.84" Long - W 103°44'31.86" NMSPC- N 435667.609 E 724196.772 (NAD-83) 330' 660' 4623.8' 3550.6' 3552.6' 3544.7' 3548.3'	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Cy Cowan</i> 6/10/09 Signature Date Cy Cowan Printed Name 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 SURVEYED MAY 2, 2009 SIGNATURE & SEAL OF PROFESSIONAL SURVEYOR GARY L. JONES 7977 Certificate No. Gary L. Jones 7977 BASIN SURVEYS
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