

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-0720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3480 Fax: (505) 476-3482

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

HOBBS OGD

SEP 19 2014 Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-4217	Pool Code 53560	Pool Name Salt Lake; Bone Spring
Property Code 32342	Property Name LAGUNA 16 STATE	Well Number 4H
GRID No. 151416	Operator Name FASKEN OIL AND RANCH, LTD.	Elevation 3513.3'

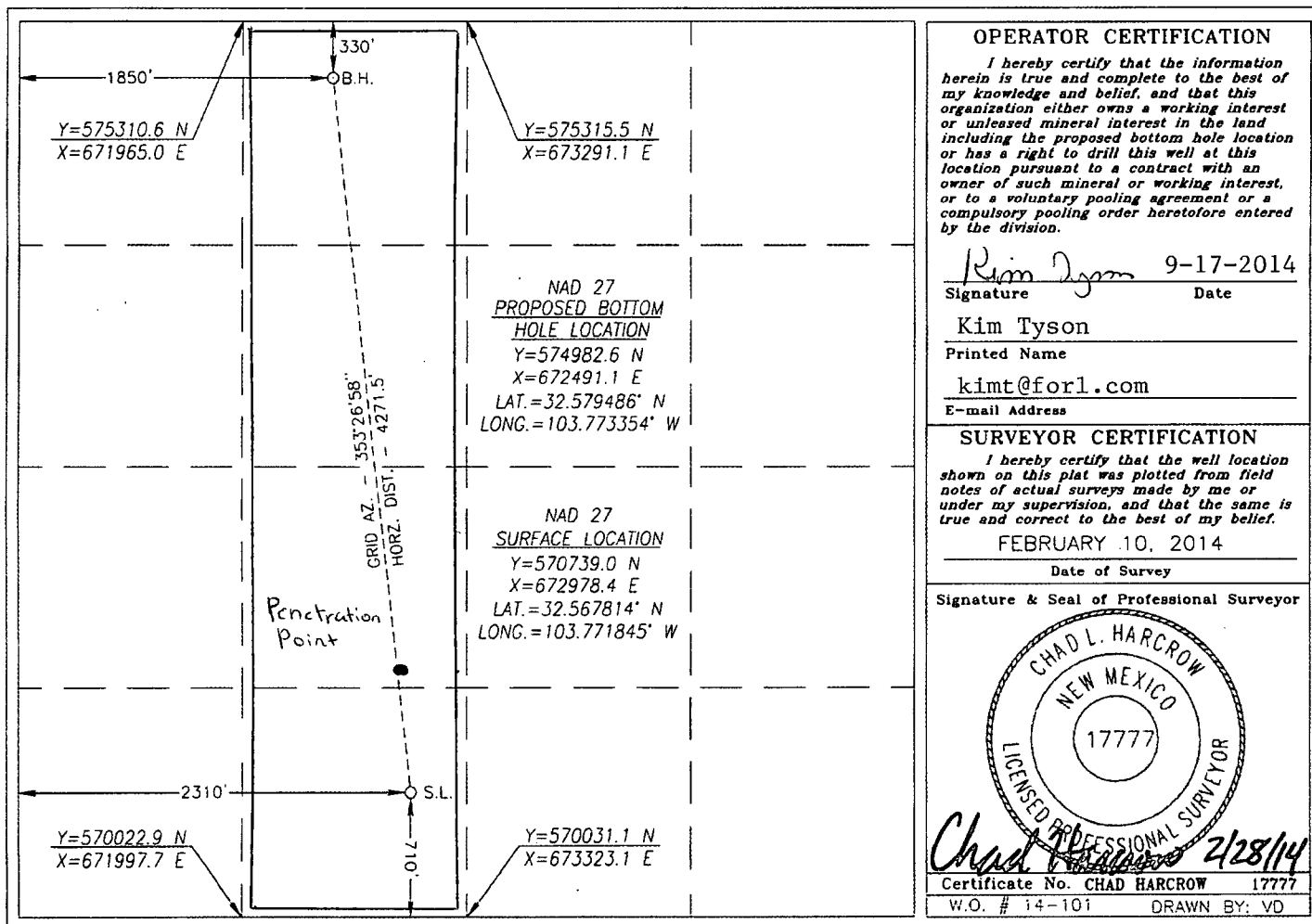
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	16	20-S	32-E		710	SOUTH	2310	WEST	LEA

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
C	16	20-S	32-E		330	NORTH	1850	WEST	LEA
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



Penetration Point - MD - 10,250'; TVD - 9870' 1310' FSL & 1850' FWL

SEP 22 2014

Job Number:	Laguna 4H	Elevation GL:	3513.30 ft	RKB:	25.00 ft
Company:	Fasken Oil and Ranch	Projection System:	US State Plane 1927 (Exact solution)		
Lease/Well:	Laguna 16 State No. 4H	Projection Group:	New Mexico East 3001		
Location:	Southeast New Mexico	Projection Datum:	CLARKE 1866		
Rig Name:	Nomac 54	Mag. Declination:	7.37° (C:\HawkEye\GRF2005.MIF)		
State/County:	New Mexico/ Lea	Grid Convergence:	0.30225 E		
Country:	USA	Date:	Friday, March 07, 2014		

Calculated by HawkEye Software
Minimum Curvature Method
Vertical Section Plane 353.45°

Northing (US ft): 570739.00 Easting (US ft): 672878.40

Latitude: 32°34'4.1314" N Longitude: -103°46'18.6422" W

Well Location: 704.12 FSL, 2313.99 FWL, Section 16, T20S, R32E, New Mexico Principal Meridian, Lea County, NM

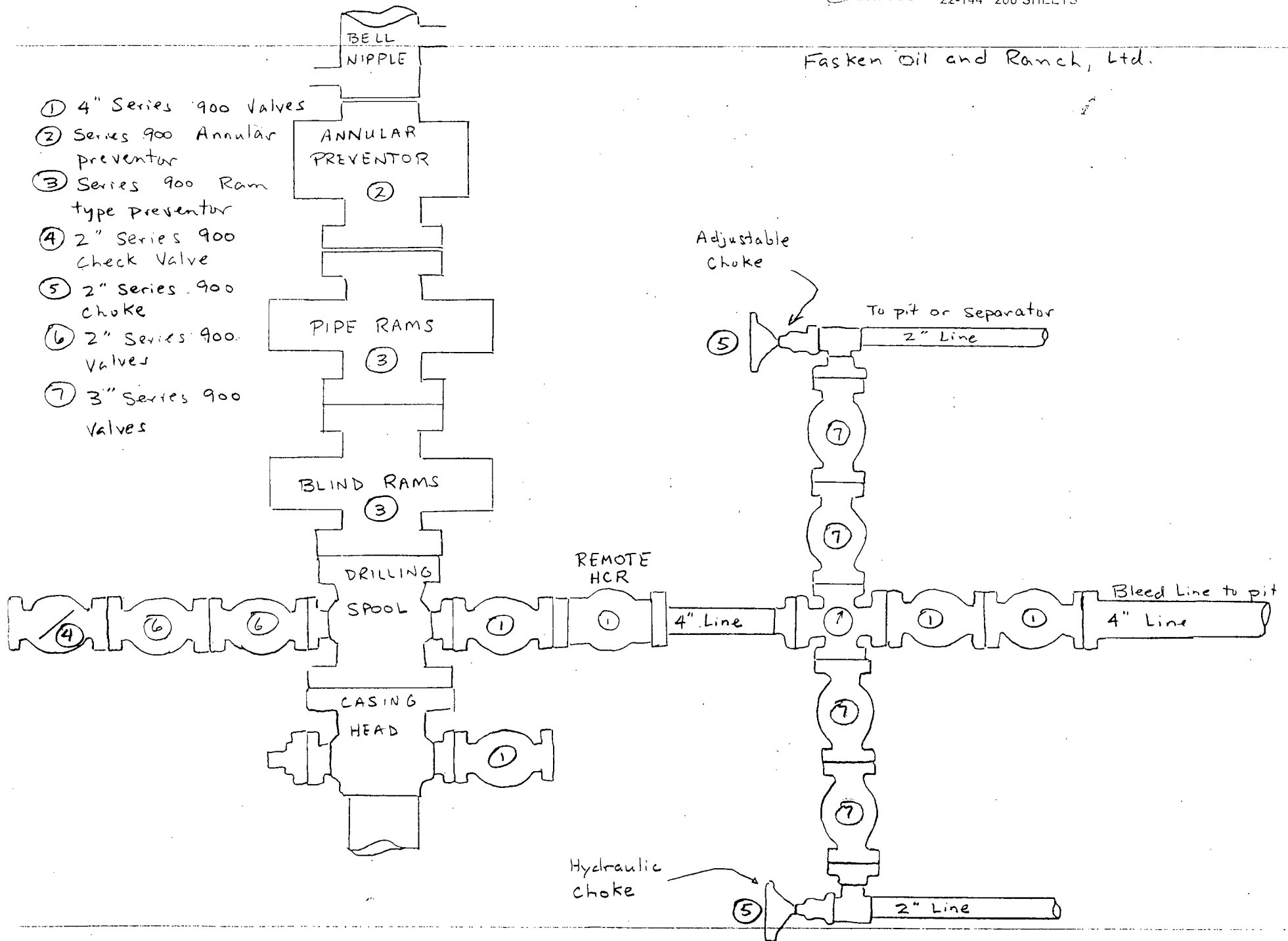
Direction Reference: Grid North

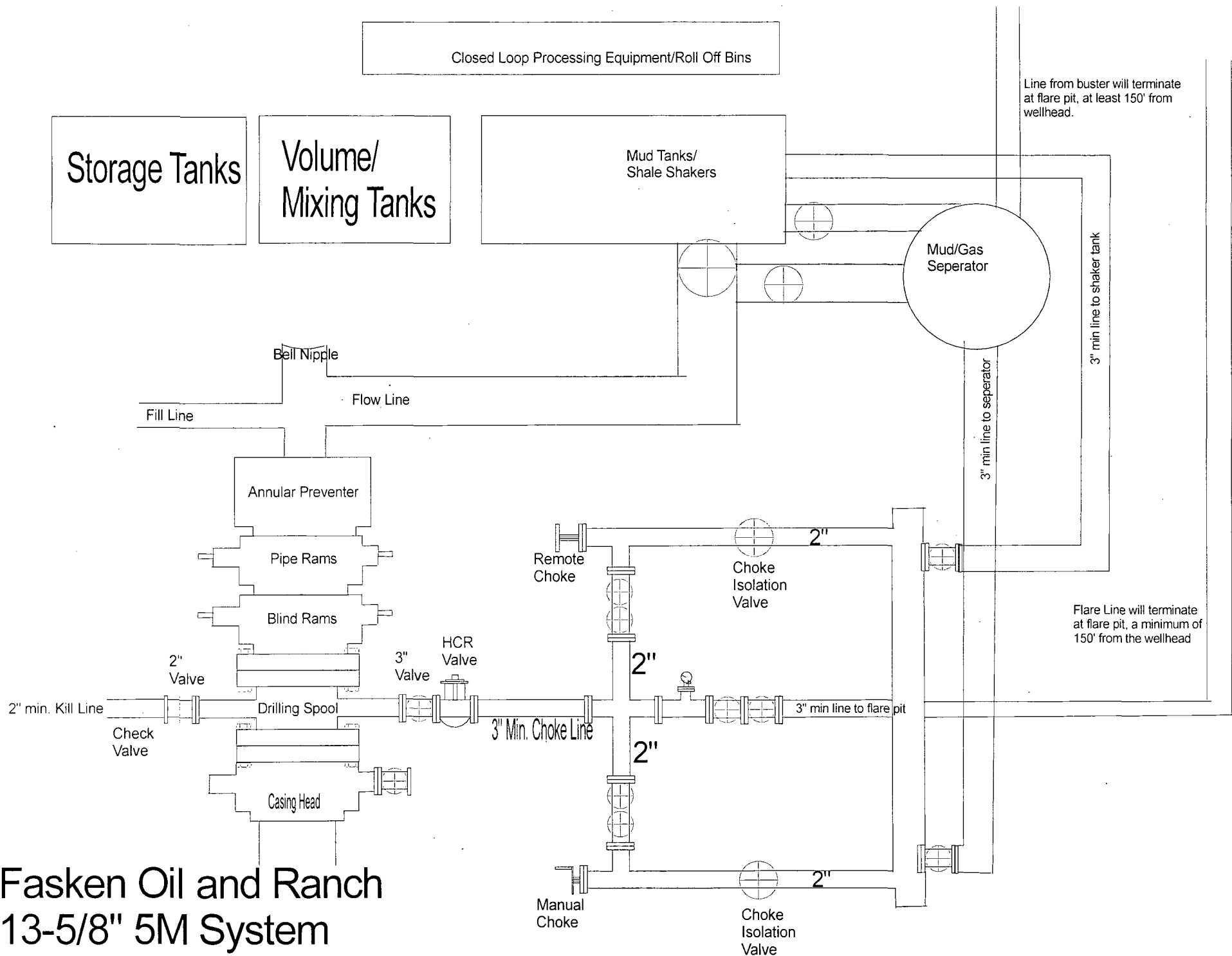
Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	EW (Ft)	NS (Ft)	VS (Ft)	Closure (Ft)	Walk Rate */100 Ft	Build Rate */100 Ft	DLS */100 Ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5550.00	0.00	0.00	5550.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5650.00	2.50	270.16	5649.97	-2.18	0.01	0.25	2.18	-89.84	2.50	2.50
5750.00	5.00	270.16	5749.75	-8.72	0.02	1.02	8.72	0.00	2.50	2.50
5817.40	6.69	270.16	5816.80	-15.58	0.04	1.82	15.58	0.00	2.50	2.50
6317.40	6.69	270.16	6313.40	-73.79	0.20	8.62	73.79	0.00	0.00	0.00
6817.40	6.69	270.16	6810.00	-131.99	0.36	15.41	131.99	0.00	0.00	0.00
7317.40	6.69	270.16	7306.60	-190.20	0.51	22.21	190.20	0.00	0.00	0.00
7817.40	6.69	270.16	7803.20	-248.41	0.67	29.01	248.41	0.00	0.00	0.00
8317.40	6.69	270.16	8299.80	-306.61	0.83	35.80	306.61	0.00	0.00	0.00
8817.40	6.69	270.16	8796.40	-364.82	0.99	42.60	364.82	0.00	0.00	0.00
9317.40	6.69	270.16	9293.00	-423.03	1.15	49.40	423.03	0.00	0.00	0.00
9324.19	6.69	270.16	9299.74	-423.81	1.15	49.49	423.82	0.00	0.00	0.00
9424.19	11.99	326.84	9398.56	-435.35	9.88	59.48	435.46	56.69	5.31	10.00
9524.19	21.02	342.58	9494.38	-446.43	35.76	86.46	447.86	15.73	9.03	10.00
9624.19	30.65	348.92	9584.30	-456.72	78.00	129.59	463.34	6.35	9.62	10.00
9724.19	40.44	352.43	9665.57	-465.92	135.31	187.58	485.17	3.50	9.79	10.00
9824.19	50.31	354.75	9735.74	-473.73	205.95	258.65	516.56	2.32	9.86	10.00
9924.19	60.20	356.48	9792.66	-479.93	287.78	340.65	559.60	1.73	9.90	10.00
10024.19	70.12	357.90	9834.61	-484.32	378.31	431.09	614.56	1.42	9.92	10.00
10124.19	80.05	359.15	9860.32	-486.78	474.78	527.22	679.98	1.25	9.93	10.00
10195.90	87.17	360.00	9868.30	-487.30	546.00	598.03	731.83	1.18	9.93	10.00
10252.50	92.83	360.00	9868.30	-487.30	602.58	654.24	774.96	0.00	10.00	10.00
10752.50	92.83	360.00	9843.61	-487.30	1101.97	1150.37	1204.91	0.00	0.00	0.00
11252.50	92.83	360.00	9818.92	-487.30	1601.36	1646.50	1673.86	0.00	0.00	0.00
11752.50	92.83	360.00	9794.24	-487.30	2100.75	2142.63	2156.53	0.00	0.00	0.00
12252.50	92.83	360.00	9769.55	-487.30	2600.14	2638.76	2645.41	0.00	0.00	0.00
12752.50	92.83	360.00	9744.86	-487.30	3099.53	3134.89	3137.60	0.00	0.00	0.00
13252.50	92.83	360.00	9720.17	-487.30	3598.92	3631.02	3631.76	0.00	0.00	0.00
13752.50	92.83	360.00	9695.48	-487.30	4098.31	4127.15	4127.18	0.00	0.00	0.00
13897.97	92.83	360.00	9688.30	-487.30	4243.60	4271.49	4271.49	0.00	0.00	0.00



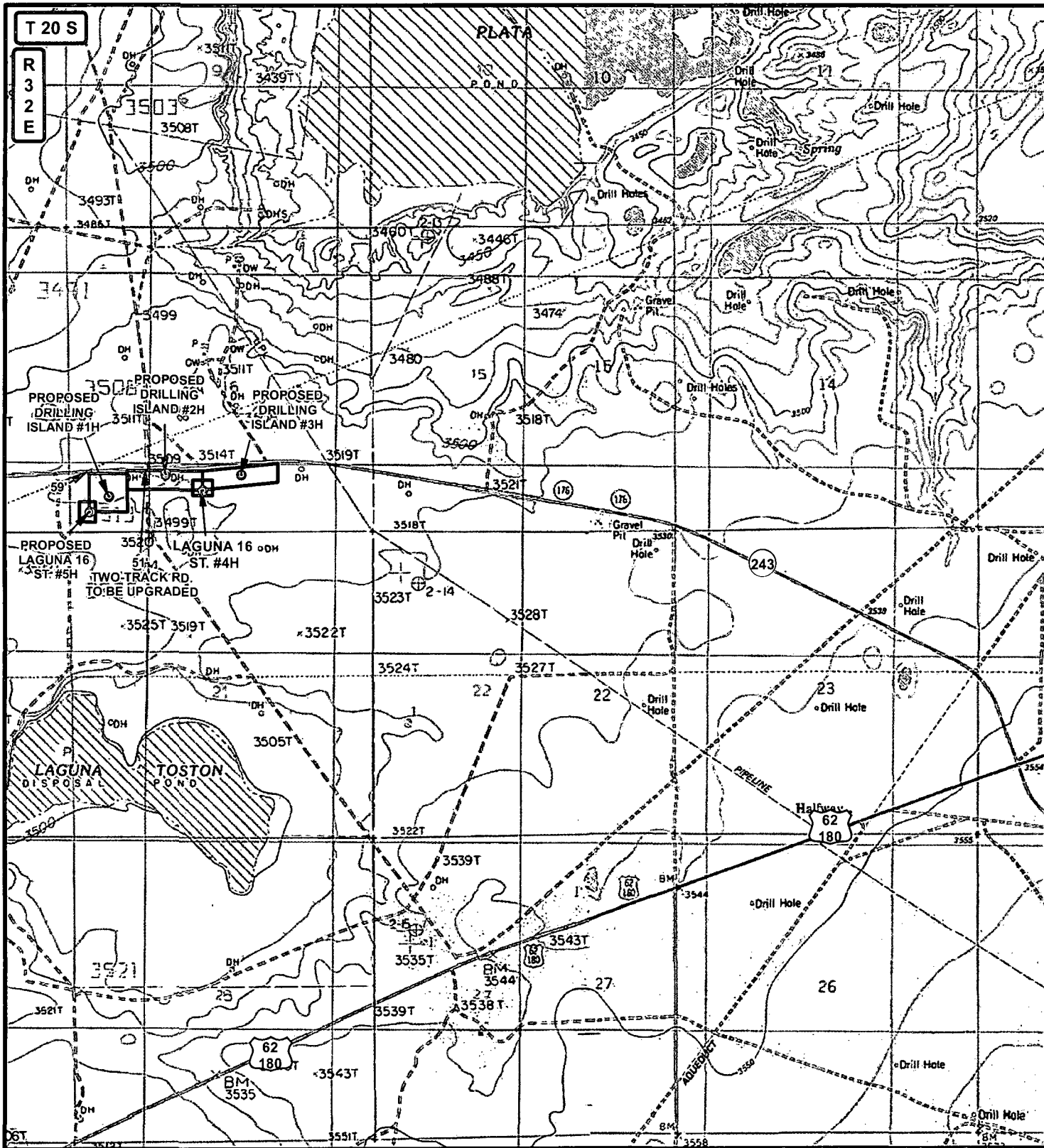
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS

Fasken Oil and Ranch, Ltd.





Fasken Oil and Ranch
 13-5/8" 5M System
 Laquna 16 State No. 4H



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD
- TWO-TRACK ROAD

LAGUNA 16 ST. #4H

SEC: 16 TWP: 20 S. RGE: 32 E. ELEVATION: 3513.3'
 STATE: NEW MEXICO COUNTY: LEA 710' FSL & 2310' FWL
 W.O. # 14-101 LEASE: LAGUNA 16 ST. SURVEY: N.M.P.M

0 2,500 5,000 FEET

0 0.15 0.3 0.6 Miles

1 IN = 2,250 FT

LOCATION MAP

TOPO

02/11/2014

S.P.



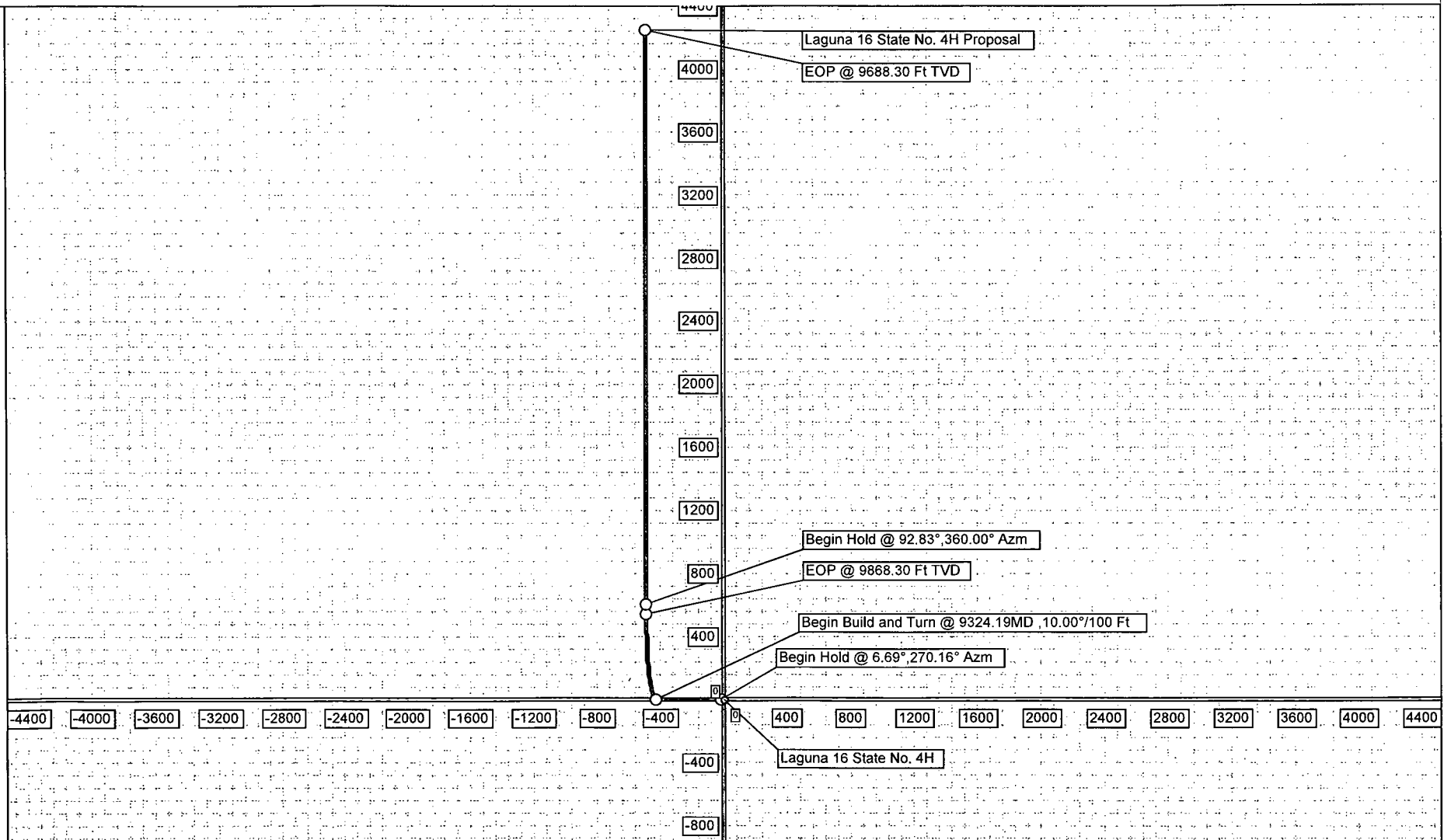
HARCROW SURVEYING, LLC
 1107 WATSON, ARTESIA N.M. 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com



Job Number: Laguna 4H
Company: Fasken Oil and Ranch
Lease/Well: Laguna 16 State No. 4H
Location: Southeast New Mexico
Rig Name: Nomac 54
State/County: New Mexico/ Lea
Country: USA
API Number:

Elevation (To MSL): 3513.30 ft
RKB: 25.00 ft
Projection System: US State Plane 1927 (Exact solution)
Projection Group: New Mexico East 3001
Projection Datum: CLARKE 1866
Magnetic Declination: 7.37
Grid Convergence: 0.30225 E
Date: Friday, March 07, 2014

South - North



West - East

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