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District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Sante Fe, NM 87505

HOBBS OCD

JAN 18 2013

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

RECEIVED
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-40926	² Pool Code 97900	³ Pool Name Red Hills; Bone Spring Upper Shale
⁴ Property Code 39643	⁵ Property Name DRAGON 36 STATE	⁶ Well Number #4H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3479'

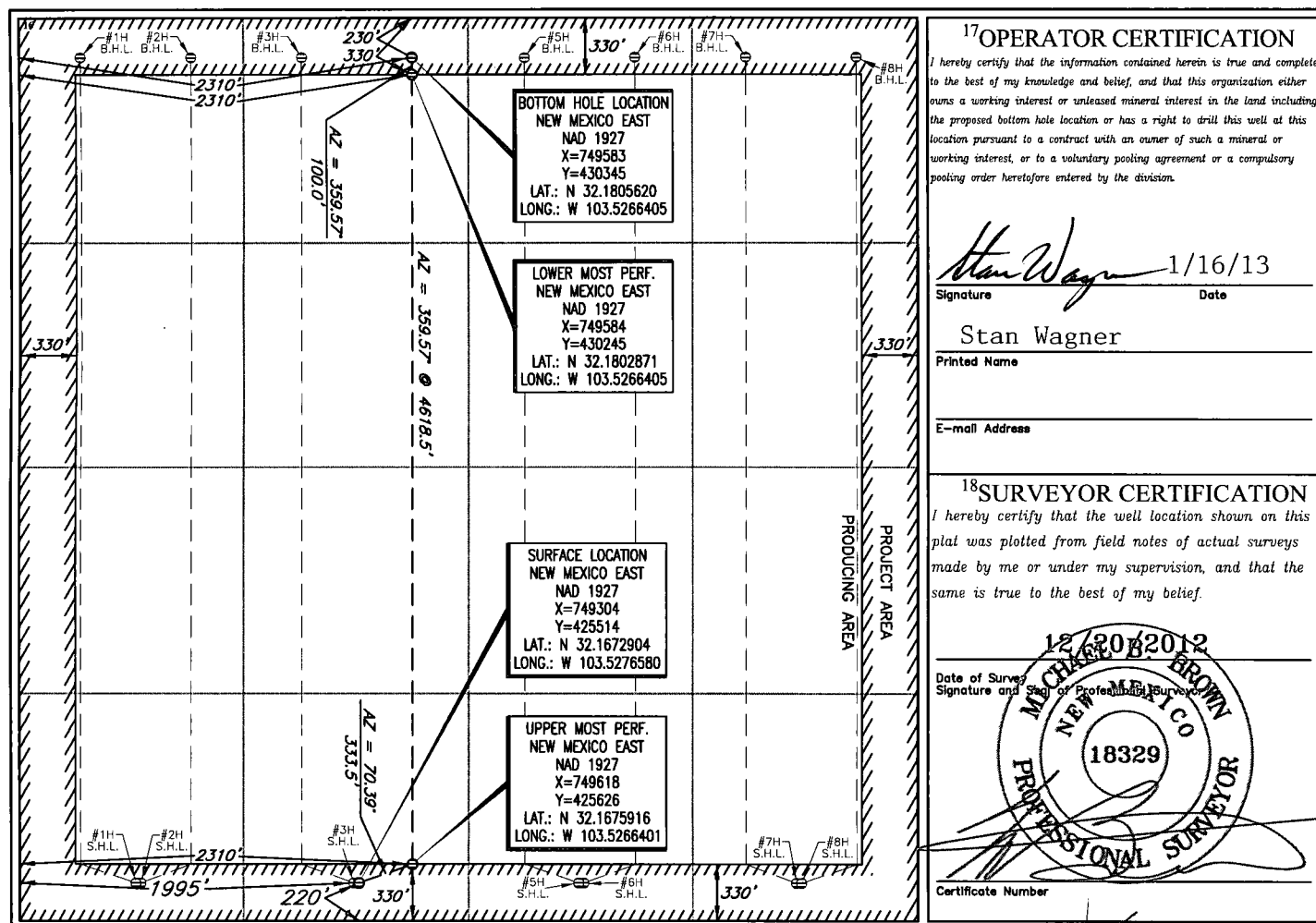
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	36	24-S	33-E	-	220'	SOUTH	1995'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	36	24-S	33-E	-	230'	NORTH	2310'	WEST	LEA

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.



Permit Information:

Well Name: Dragon 36 State No. 4H

Location:

SL: 220' FSL & 1995' FWL, Section 36, T-24-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL & 2310' FWL, Section 36, T-24-S, R-33-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 – 1230'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4000' – 5100'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0'-14,125'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
1230'	500	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	200	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,100'	800	12.7	2.22	Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
14,125'	375	10.8	3.67	60:40:0 Class C + 15.0 pps BA-90 + 4% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.0 pps LCM-1
	400	11.8	2.38	50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.40% SMS + 2.0% Salt + 0.30% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake
	1300	14.2	1.28	50:50:2 Class H + 0.65% FL-52 + 0.45% CD-32 + 0.10% SMS + 2.0% Salt

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1230'	Fresh - Gel	8.6-8.8	28-34	N/c
1230' – 5,100'	Brine	10.0-10.2	28-34	N/c
5,100' – 8,972'	Cut Brine	8.4-9.0	28-34	N/c
KOP – 14,125' Lateral	Cut Brine	9.0-9.5	40-42	8-10

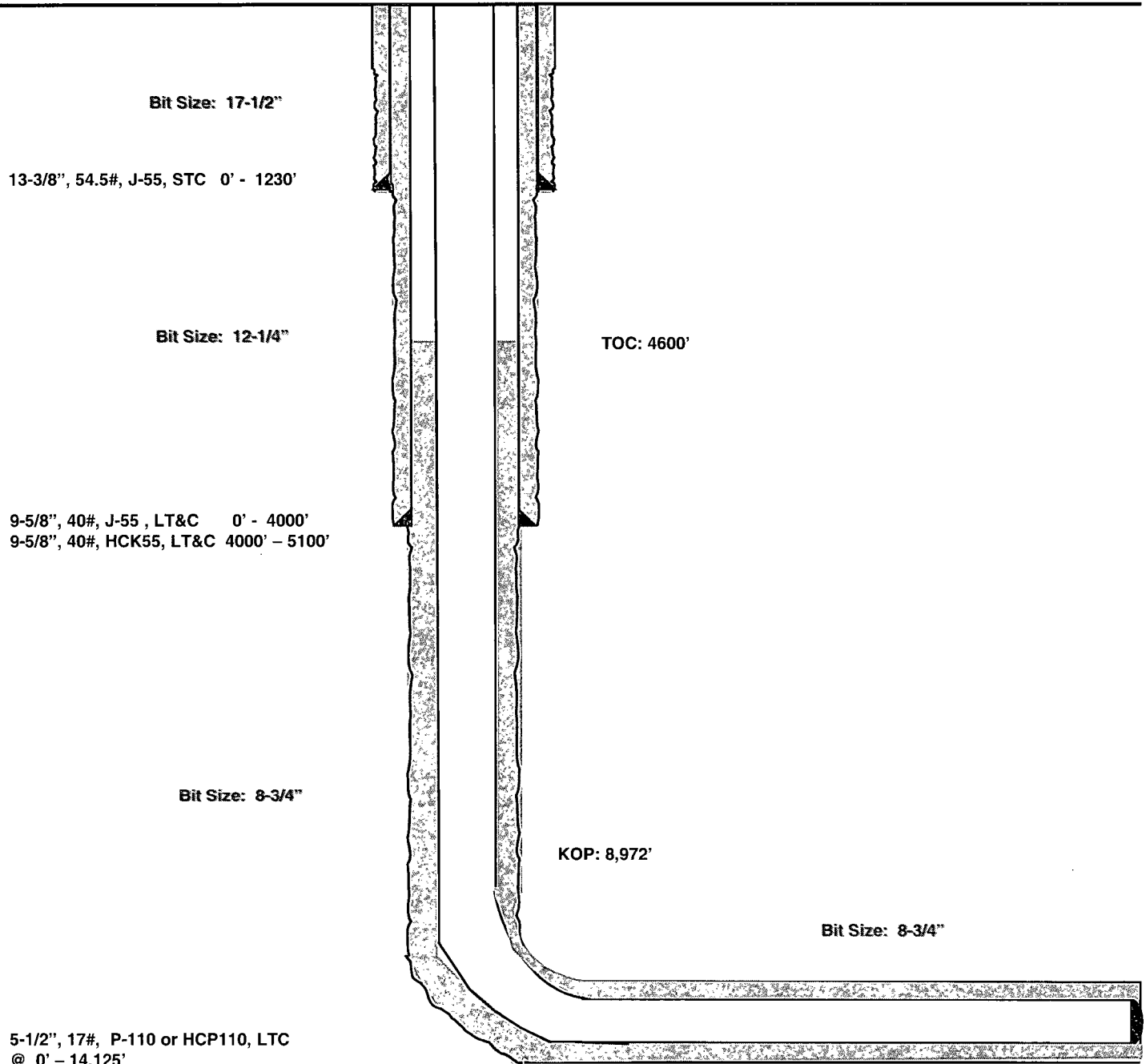
Dragon 36 State #4H
Pitchfork Ranch
Lea County, New Mexico

220' FSL
1995' FWL
Section 36
T-24-S, R-33-E

Proposed Wellbore

API: 30-025- 40926

KB: 3,509'
GL: 3,479'



Lateral: 14,125' MD, 9,450' TVD

BH Location: 230' FNL & 2310' FWL
Section 36
T-24-S, R-33-E

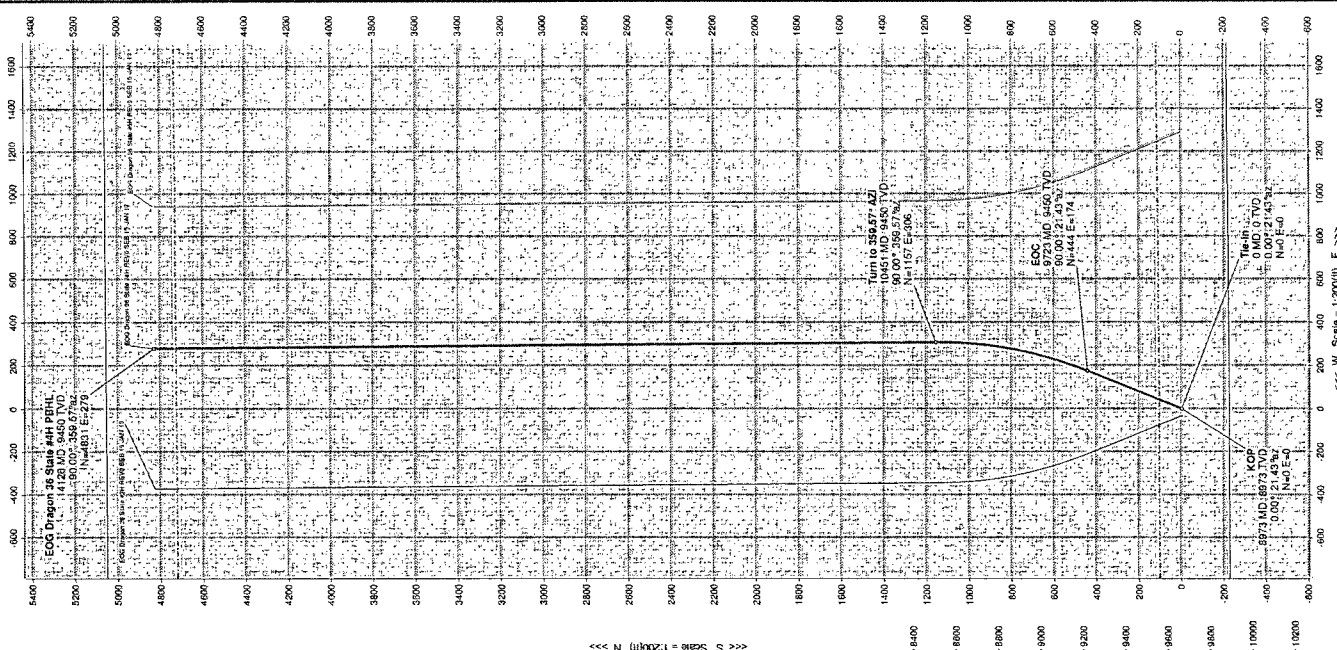
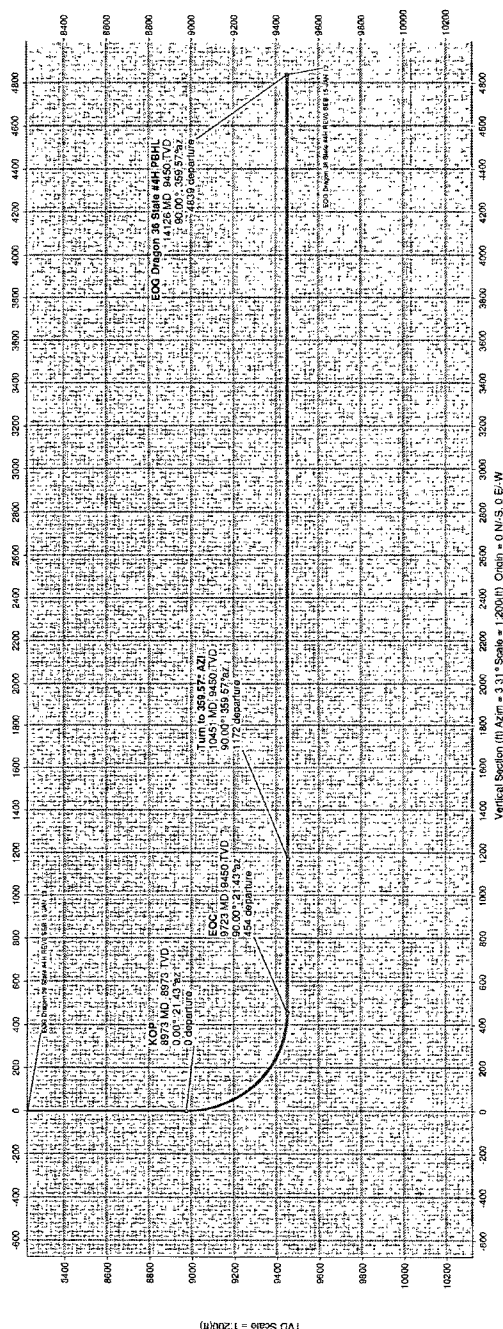
[illegible]

Legend



East North
Total (m) 1500 (7000)
Avg Dec (°) 200
East (m) 1500

Comments	Survey Method	Inclination (deg)	Azimuth (deg)	TID (s)	Sub-Sat. TID (s)	ISAP	Eqv. Calibrated	Length (m)	Estimate (m)	Velocity (m/s)	Classical	Discrete Formulation	PLS (m)	Total Facility	Critical Points		
															16-4	16-5	
		0.00	21.45	0.00	3538.00	0.00	0.00	N 32.0	2.282	W 103.3	38.370	749304.00	425514.00	0.00	0.00	21.45	
KOP		8972.54	0.00	21.45	8972.54	0.00	0.00	N 32.0	2.282	W 103.3	38.370	749304.00	425514.00	0.00	0.00	21.45	
EOC		9722.54	90.00	21.45	9493.00	594.00	444.46	174.45	N 32.0	6.627	W 103.3	37.302	749478.44	429388.45	477.46	21.45	12.00
		19451.13	90.00	393.57	9450.00	594.00	1172.55	1165.58	306.43	32.0	10.663	W 103.3	35.935	749610.43	42670.48	1198.41	3.00
Top of 869.57' AZ																	
EOC		1425.83	90.00	393.57	9493.00	594.00	4203.15	4091.11	279.91	N 32.0	10.025	W 103.3	35.393	749583.00	430345.00	4830.15	3.30



Date Created: January 15, 2019 01:12:20 PM
 Drawn By: Sam B. Sade
 Checked By: [Signature]
 Checked Date: [Signature]
 Approved By: [Signature]
 Approved Date: [Signature]



EOG Dragon 36 State #4H REV0 SEB 15-JAN-13 Proposal Geodetic Report



(Def Plan)

Report Date: January 15, 2013 - 01:12 PM
Client: Eog Resources
Field: NM Lea County (NAD 27)
Structure / Slot: EOG Dragon 36 State #4H / EOG Dragon 36 State #4H
Well: EOG Dragon 36 State #4H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: EOG Dragon 36 State #4H REV0 SEB 15-JAN-13
Survey Date: January 15, 2013
Tort / AHD / DDI / ERD Ratio: 111.858 ° / 4880.756 ft / 5.912 / 0.516
Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 10' 2.24211", W 103° 31' 39.57044"
Location Grid N/E Y/X: N 425514.000 ftUS, E 749304.000 ftUS
CRS Grid Convergence Angle: 0.4290 °
Grid Scale Factor: 0.99998028

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 3.305 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: KB
TVD Reference Elevation: 3509.000 ft above
Seabed / Ground Elevation: 3479.000 ft above
Magnetic Declination: 7.469 °
Total Gravity Field Strength: 999.1520 mgn (9.8 based)
Total Magnetic Field Strength: 48410.636 nT
Magnetic Dip Angle: 60.061 °
Declination Date: January 15, 2013
Magnetic Declination Model: BGGM 2012
North Reference: Grid North
Grid Convergence Used: 0.4290 °
Total Corr Mag North->Grid North: 7.0400 °
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Tie-In	0.00	0.00	21.43	0.00	0.00	0.00	0.00	N/A	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	100.00	0.00	21.43	100.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	200.00	0.00	21.43	200.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	300.00	0.00	21.43	300.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	400.00	0.00	21.43	400.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	500.00	0.00	21.43	500.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	600.00	0.00	21.43	600.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	700.00	0.00	21.43	700.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	800.00	0.00	21.43	800.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	900.00	0.00	21.43	900.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	1000.00	0.00	21.43	1000.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	1100.00	0.00	21.43	1100.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	1200.00	0.00	21.43	1200.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	1300.00	0.00	21.43	1300.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	1400.00	0.00	21.43	1400.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	1500.00	0.00	21.43	1500.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	1600.00	0.00	21.43	1600.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	1700.00	0.00	21.43	1700.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	1800.00	0.00	21.43	1800.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	1900.00	0.00	21.43	1900.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	2000.00	0.00	21.43	2000.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	2100.00	0.00	21.43	2100.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	2200.00	0.00	21.43	2200.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	2300.00	0.00	21.43	2300.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	2400.00	0.00	21.43	2400.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	2500.00	0.00	21.43	2500.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	2600.00	0.00	21.43	2600.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	2700.00	0.00	21.43	2700.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	2800.00	0.00	21.43	2800.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	2900.00	0.00	21.43	2900.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	3000.00	0.00	21.43	3000.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	3100.00	0.00	21.43	3100.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	3200.00	0.00	21.43	3200.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	3300.00	0.00	21.43	3300.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	3400.00	0.00	21.43	3400.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	3500.00	0.00	21.43	3500.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	3600.00	0.00	21.43	3600.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	3700.00	0.00	21.43	3700.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	3800.00	0.00	21.43	3800.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	3900.00	0.00	21.43	3900.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	4000.00	0.00	21.43	4000.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	4100.00	0.00	21.43	4100.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	4200.00	0.00	21.43	4200.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	4300.00	0.00	21.43	4300.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	4400.00	0.00	21.43	4400.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	4500.00	0.00	21.43	4500.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	4600.00	0.00	21.43	4600.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	4700.00	0.00	21.43	4700.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	4800.00	0.00	21.43	4800.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	4900.00	0.00	21.43	4900.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	5000.00	0.00	21.43	5000.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	5100.00	0.00	21.43	5100.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	5200.00	0.00	21.43	5200.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	5300.00	0.00	21.43	5300.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	5400.00	0.00	21.43	5400.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	5500.00	0.00	21.43	5500.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	5600.00	0.00	21.43	5600.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	5700.00	0.00	21.43	5700.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	5800.00	0.00	21.43	5800.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	5900.00	0.00	21.43	5900.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	6000.00	0.00	21.43	6000.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	6100.00	0.00	21.43	6100.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	6200.00	0.00	21.43	6200.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	6300.00	0.00	21.43	6300.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	6400.00	0.00	21.43	6400.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	6500.00	0.00	21.43	6500.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	6600.00	0.00	21.43	6600.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	6700.00	0.00	21.43	6700.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	6800.00	0.00	21.43	6800.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	6900.00	0.00	21.43	6900.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	7000.00	0.00	21.43	7000.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	7100.00	0.00	21.43	7100.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	7200.00	0.00	21.43	7200.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	7300.00	0.00	21.43	7300.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	7400.00	0.00	21.43	7400.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	7500.00	0.00	21.43	7500.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	7600.00	0.00	21.43	7600.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	7700.00	0.00	21.43	7700.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	7800.00	0.00	21.43	7800.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	7900.00	0.00	21.43	7900.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	8000.00	0.00	21.43	8000.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	8100.00	0.00	21.43	8100.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	8200.00	0.00	21.43	8200.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	8300.00	0.00	21.43	8300.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	8400.00	0.00	21.43	8400.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	8500.00	0.00	21.43	8500.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	8600.00	0.00	21.43	8600.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	8700.00	0.00	21.43	8700.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	8800.00	0.00	21.43	8800.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	8900.00	0.00	21.43	8900.00	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
KOP	8972.54	0.00	21.43	8972.54	0.00	0.00	0.00	0.00	425514.00	749304.00	N 32 10 2.24	W 103 31 39.57
	9000.00	3.30	21.43	8999.98	0.75	0.73	0.29	12.00	425514.73	749304.29	N 32 10 2.25	W 103 31 39.57
	9100.00	15.30	21.43	9098.49	16.07	15.74	6.18	12.00	425529.74	749310.18	N 32 10 2.40	W 103 31 39.50
	9200.00	27.30	21.43	9191.49	50.53	49.49	19.42	12.00	425563.49	749323.42	N 32 10 2.73	W 103 31 39.34
	9300.00	39.30	21.43	9274.93	102.60	100.49	39.44	12.00	425614.49	749343.44	N 32 10 3.23	W 103 31 39.10
	9400.00	51.30	21.43	9345.14	170.03	166.53	65.36	12.00	425680.53	749369.36	N 32 10 3.89	W 103 31 38.80
	9500.00	63.30	21.43	9399.08	249.85	244.72	96.05	12.00	425758.71	749400.05	N 32 10 4.66	W 103 31 38.43
	9600.00	75.30	21.43	9434.37	338.59	331.64	130.17	12.00	425845.63	749434.16	N 32 10 5.51	W 103 31 38.03
	9700.00	87.30	21.43	9449.47	432.36	423.48	166.22	12.00	425937.47	749470.21	N 32 10 6.42	W 103 31 37.60
EOC	9722.54	90.00	21.43	9450.00	453.77	444.46	174.45	12.00	425958.45	749478.44	N 32 10 6.63	W 103 31 37.50
	9800.00	90.00	19.11	9450.00	527.86	517.11	201.28	3.00	426031.10	749505.28	N 32 10 7.34	W 103 31 37.18
	9900.00	90.00	16.11	9450.00	624.75	612.42	231.52	3.00	426126.41	749535.52	N 32 10 8.29	W 103 31 36.82
	10000.00	90.00	13.11	9450.00	722.80	709.18	256.74	3.00	426223.16	749560.73	N 32 10 9.24	W 103 31 36.52
	10100.00	90.00	10.11	9450.00	821.74	807.12	276.85	3.00	426321.10	749580.85	N 32 10 10.21	W 103 31 36.28
	10200.00	90.00	7.11	9450.00	921.30	905.98	291.82	3.00	426419.96	749595.81	N 32 10 11.19	W 103 31 36.10
	10300.00	90.00	4.11	9450.00	1021.21	1005.49	301.58	3.00	426519.47	749605.58	N 32 10 12.17	W 103 31 35.97
	10400.00	90.00	1.11	9450.00	1121.19	1105.38	306.13	3.00	426619.35	749610.12	N 32 10 13.16	W 103 31 35.91
Turn to 359.57° AZI	10451.13	90.00	359.57	9450.00	1172.25	1156.50	306.43	3.00	426670.48	749610.43	N 32 10 13.66	W 103 31 35.90
	10500.00	90.00	359.57	9450.00	1221.02	1205.37	306.07	0.00	426719.35	749610.06	N 32 10 14.15	W 103 31 35.90
	10600.00	90.00	359.57	9450.00	1320.80	1305.37	305.32	0.00	426819.34	749609.32	N 32 10 15.14	W 103 31 35.90
	10700.00	90.00	359.57	9450.00	1420.59	1405.37	304.58	0.00	426919.34	749608.57	N 32 10 16.13	W 103 31 35.90
	10800.00	90.00	359.57	9450.00	1520.38	1505.37	303.83	0.00	427019.33	749607.82	N 32 10 17.12	W 103 31 35.90
	10900.00	90.00	359.57	9450.00	1620.17	1605.36	303.08	0.00	427119.33	749607.08	N 32 10 18.11	W 103 31 35.90
	11000.00	90.00	359.57	9450.00	1719.96	1705.36	302.34	0.00	427219.32	749606.33	N 32 10 19.09	W 103 31 35.90
	11100.00	90.00	359.57	9450.00	1819.74	1805.36	301.59	0.00	427319.32	749605.58	N 32 10 20.08	W 103 31 35.90
	11200.00	90.00	359.57	9450.00	1919.53	1905.36	300.84	0.00	427419.31	749604.84	N 32 10 21.07	W 103 31 35.90
	11300.00	90.00	359.57	9450.00	2019.32	2005.35	300.10	0.00	427519.31	749604.09	N 32 10 22.06	W 103 31 35.90
	11400.00	90.00	359.57	9450.00	2119.11	2105.35	299.35	0.00	427619.30	749603.35	N 32 10 23.05	W 103 31 35.90
	11500.00	90.00	359.57	9450.00	2218.89	2205.35	298.61	0.00	427719.30	749602.60	N 32 10 24.04	W 103 31 35.90
	11600.00	90.00	359.57	9450.00	2318.68	2305.34	297.86	0.00	427819.29	749601.85	N 32 10 25.03	W 103 31 35.90
	11700.00	90.00	359.57	9450.00	2418.47	2405.34	297.11	0.00	427919.29	749601.11	N 32 10 26.02	W 103 31 35.90
	11800.00	90.00	359.57	9450.00	2518.26	2505.34	296.37	0.00	428019.28	749600.36	N 32 10 27.01	W 103 31 35.90
	11900.00	90.00	359.57	9450.00	2618.05	2605.34	295.62	0.00	428119.28	749599.61	N 32 10 28.00	W 103 31 35.90
	12000.00	90.00	359.57	9450.00	2717.83	2705.33	294.87	0.00	428219.27	749598.87	N 32 10 28.99	W 103 31 35.90
	12100.00	90.00	359.57	9450.00	2817.62	2805.33	294.13	0.00	428319.27	749598.12	N 32 10 29.98	W 103 31 35.90
	12200.00	90.00	359.57	9450.00	2917.41	2905.33	293.38	0.00	428419.26	749597.37	N 32 10 30.97	W 103 31 35.90
	12300.00	90.00	359.57	9450.00	3017.20	3005.32	292.63	0.00	428519.26	749596.63	N 32 10 31.96	W 103 31 35.90
	12400.00	90.00	359.57	9450.00	3116.99	3105.32	291.89	0.00	428619.25	749595.88	N 32 10 32.95	W 103 31 35.90
	12500.00	90.00	359.57	9450.00	3216.77	3205.32	291.14	0.00	428719.25	749595.14	N 32 10 33.94	W 103 31 35.90
	12600.00	90.00	359.57	9450.00	3316.56	3305.32	290.39	0.00	428819.24	749594.39	N 32 10 34.93	W 103 31 35.90
	12700.00	90.00	359.57	9450.00	3416.35	3405.31	289.65	0.00	428919.24	749593.64	N 32 10 35.92	W 103 31 35.90
	12800.00	90.00	359.57	9450.00	3516.14	3505.31	288.90	0.00	429019.23	749592.90	N 32 10 36.91	W 103 31 35.90
	12900.00	90.00	359.57	9450.00	3615.92	3605.31	288.16	0.00	429119.23	749592.15	N 32 10 37.90	W 103 31 35.90
	13000.00	90.00	359.57	9450.00	3715.71	3705.30	287.41	0.00	429219.22	749591.40	N 32 10 38.89	W 103 31 35.90
	13100.00	90.00	359.57	9450.00	3815.50	3805.30	286.66	0.00	429319.22	749590.66	N 32 10 39.88	W 103 31 35.90
	13200.00	90.00	359.57	9450.00	3915.29	3905.30	285.92	0.00	429419.21	749589.91	N 32 10 40.86	W 103 31 35.90
	13300.00	90.00	359.57	9450.00	4015.08	4005.30	285.17	0.00	429519.21	749589.16	N 32 10 41.85	W 103 31 35.90
	13400.00	90.00	359.57	9450.00	4114.86	4105.29	284.42					

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
EOG Dragon 36	14100.00	90.00	359.57	9450.00	4813.38	4805.27	279.20	0.00	430319.17	749583.19	N 32 10 49.77	W 103 31 35.90
State #4H PBHL	14125.83	90.00	359.57	9450.00	4839.15	4831.10	279.01	0.00	430345.00	749583.00	N 32 10 50.03	W 103 31 35.90

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	30.000	1/100.000	30.000	30.000	SLB_MWD-STD-Depth Only	Original Borehole / EOG Dragon 36 State #4H REV0 SEB 15-JAN-
	30.000	14125.831	1/100.000	30.000	30.000	SLB_MWD-STD	Original Borehole / EOG Dragon 36 State #4H REV0 SEB 15-JAN-

EOG RESOURCES, INC.
DRAGON 36 STATE #4H

Hydrogen Sulfide Plan Summary

- A. All personnel shall receive proper H₂S training in accordance with Onshore Order III.C.3.a.
- B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
- C. Required Emergency Equipment:

- Well control equipment
 - a. Flare line 150' from wellhead to be ignited by flare gun.
 - b. Choke manifold with a remotely operated choke.
 - c. Mud/gas separator

- Protective equipment for essential personnel.

Breathing apparatus:

- a. Rescue Packs (SCBA) — 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
- b. Work/Escapes packs — 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
- c. Emergency Escape Packs — 4 packs shall be stored in the doghouse for emergency evacuation.

Auxiliary Rescue Equipment:

- a. Stretcher
- b. Two OSHA full body harness
- c. 100 ft 5/8 inch OSHA approved rope
- d. 1-20# class ABC fire extinguisher

- H₂S detection and monitoring equipment:

The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.

(Gas sample tubes will be stored in the safety trailer)

- Visual warning systems.
 - a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
 - b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
 - c. Two wind socks will be placed in strategic locations, visible from all angles.

EOG RESOURCES, INC.
DRAGON 36 STATE #4H

■ **Mud program:**

The mud program has been designed to minimize the volume of H₂S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H₂S bearing zones.

■ **Metallurgy:**

- a. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H₂S service.
- b. All elastomers used for packing and seals shall be H₂S trim.

■ **Communication:**

Communication will be via cell phones and land lines where available.

**EOG RESOURCES, INC.
DRAGON 36 STATE #4H**

Emergency Assistance Telephone List

PUBLIC SAFETY: **911 or**

Lea County Sheriff's Department	(575) 396-3611
Rod Coffman	
Fire Department:	
Carlsbad	(575) 885-3125
Artesia	(575) 746-5050
Hospitals:	
Carlsbad	(575) 887-4121
Artesia	(575) 748-3333
Hobbs	(575) 392-1979
Dept. of Public Safety/Carlsbad	(575) 748-9718
Highway Department	(575) 885-3281
New Mexico Oil Conservation	(575) 476-3440
U.S. Dept. of Labor	(575) 887-1174

EOG Resources, Inc.

EOG / Midland	Office (432) 686-3600
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Company Drilling Consultants:

Danny Kiser Will Henderson	Cell (432) 894-3417
Larry King	

Drilling Engineer

Steve Munsell	Office (432) 686-3609
	Cell (432) 894-1256

Operations Manager

Travis Lain	Office (432) 686-3740
	Cell (432) 254-3521

Drilling Superintendents

Ron Welch	Office (432) 686-3695
	Cell (432) 386-0592
Barney Thompson	Office (432) 686-3678
	Cell (432) 254-9056

Cactus Drilling

Cactus Drilling	Office (580) 799-2752
Cactus 123 Drilling Rig	Rig (432) 894-3417

Tool Pusher:

Jack Herndon	Cell (405) 519-6552
Larry Slife	Cell (405) 250-6368

Safety

James Fischer (HSE Manager)	Office (432) 686-3747
	Cell (817) 253-3725
Brian Chandler	Cell (806) 777-8814
Terry Maxwell (Consultant)	Cell (432) 349-6926