

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) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

HOBBS OCD

JAN 18 2013

RECEIVED

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 40927	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 #5H	⁷ Elevation 3471'	
⁸ OGRID No. 7377	⁹ Operator Name EOG RESOURCES, INC.	

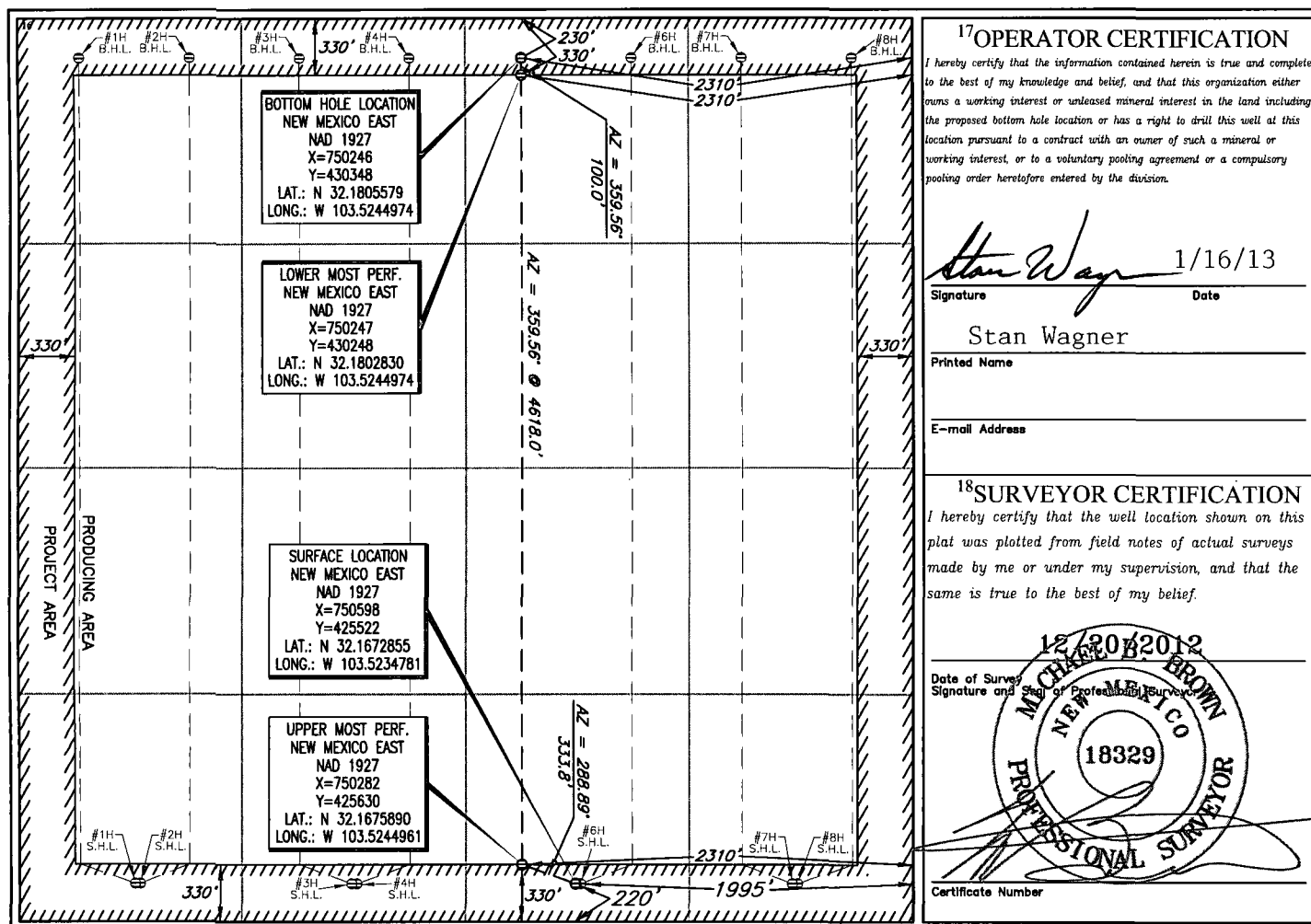
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	36	24-S	33-E	-	220'	SOUTH	1995'	EAST	LEA

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

¹² Dedicated Acres 640	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.



Permit Information:

Well Name: Dragon 36 State No. 5H

Location:

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

BHL: 230' FNL & 2310' FEL, 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

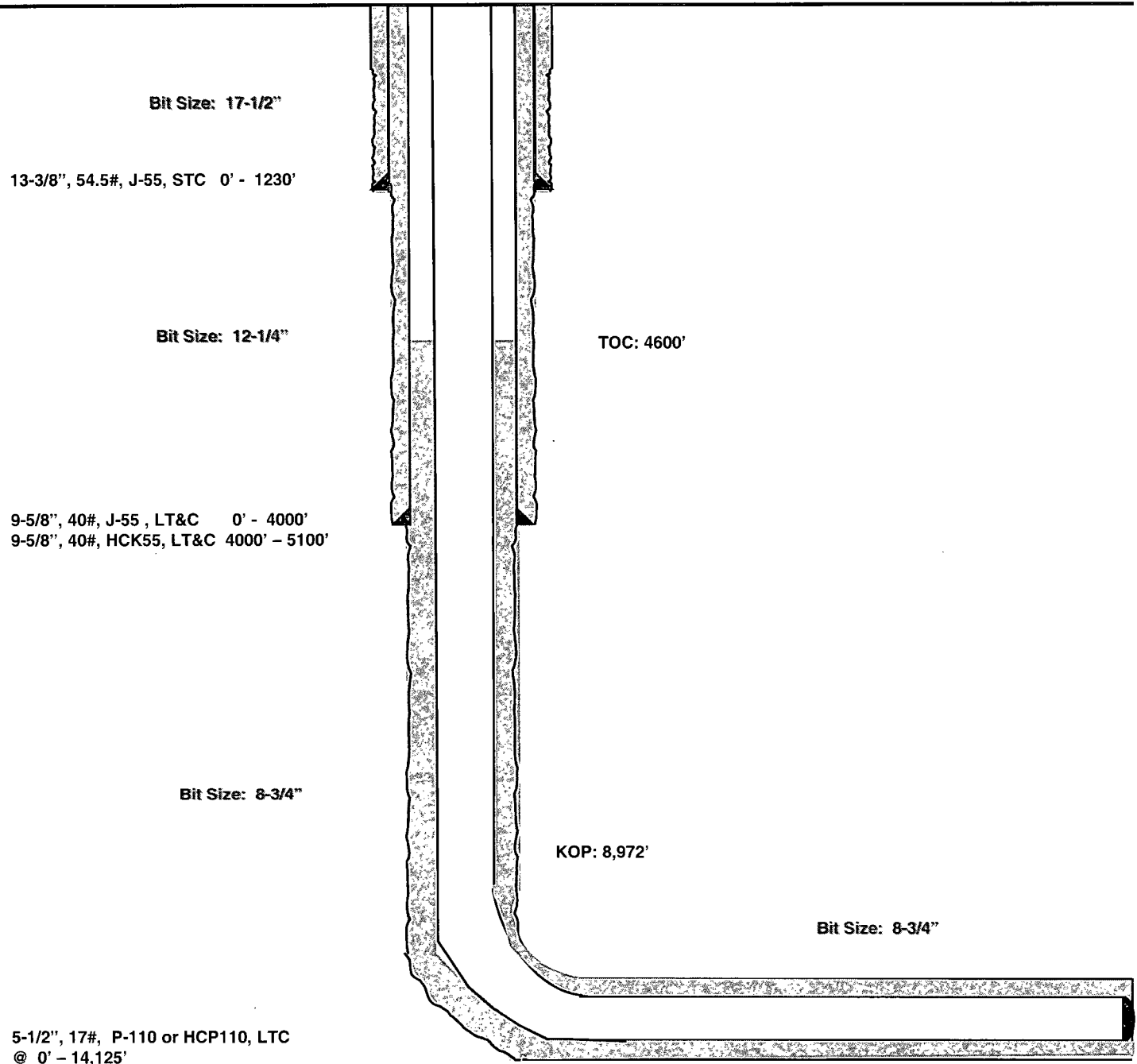
Dragon 36 State #5H
Pitchfork Ranch
Lea County, New Mexico

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

Proposed Wellbore

KB: 3,501'
GL: 3,471'

API: 30-025-40927



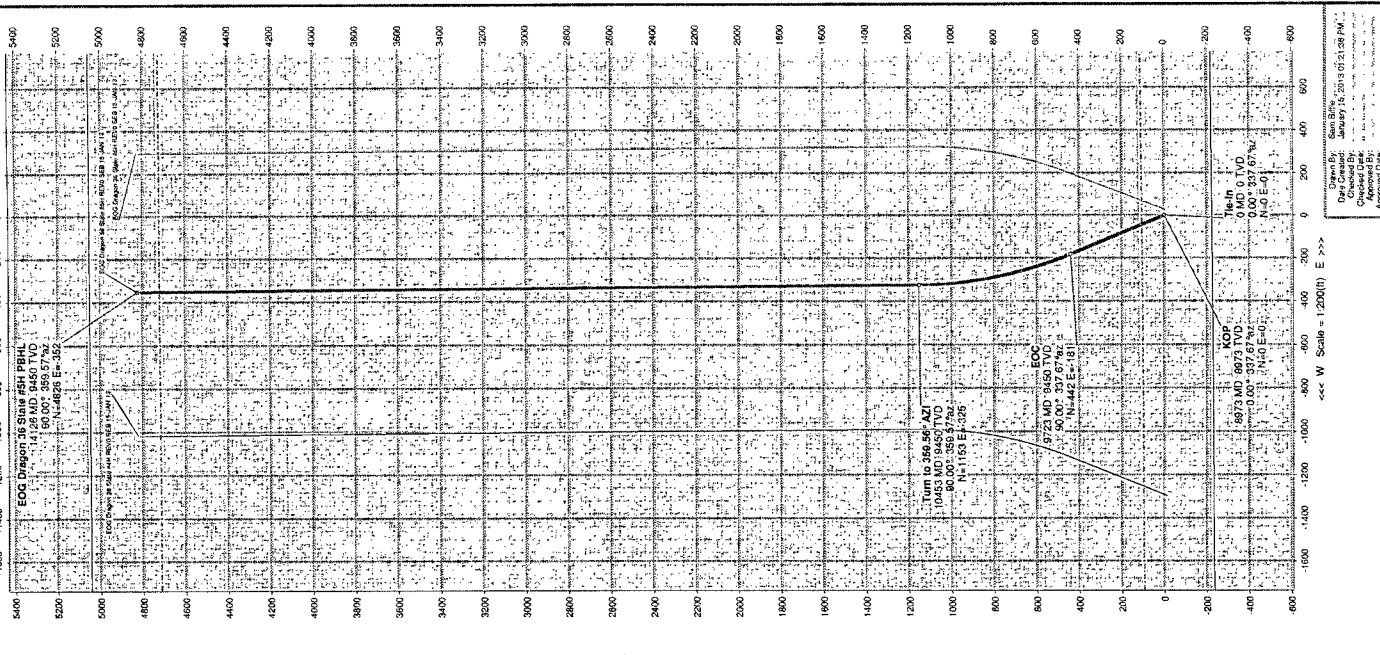
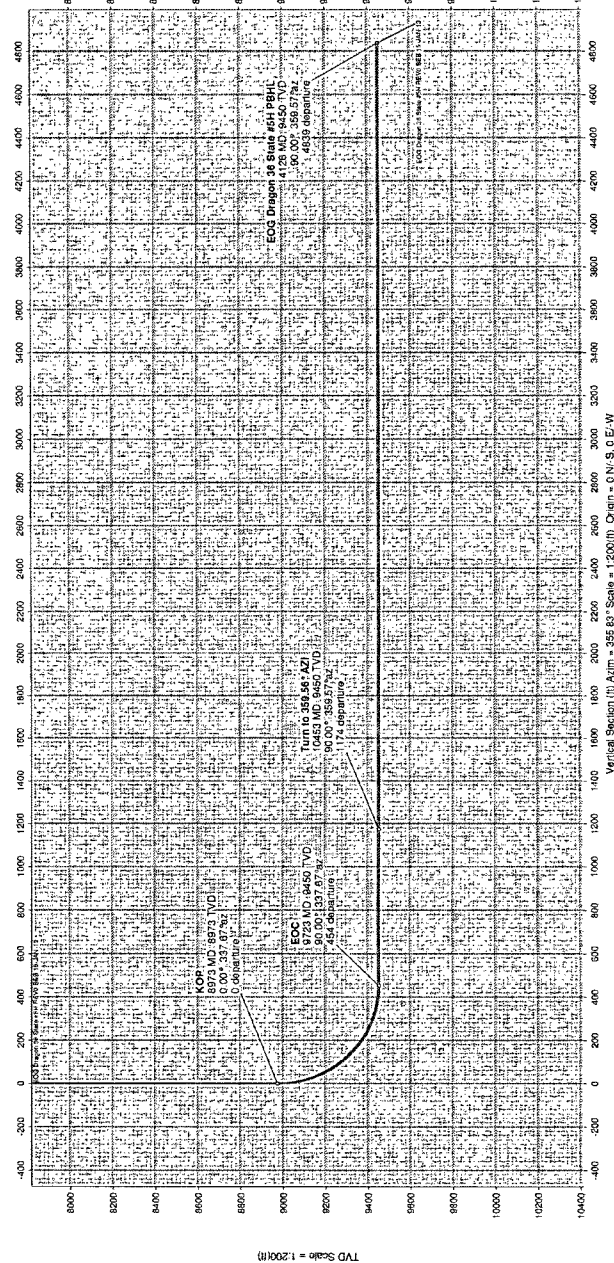
Lateral: 14,125' MD, 9,450' TVD

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

WELL EOG Dragon 36 State #5H	TRAIL NM Lea County (INAD 27)	STRUCTURE Cactus 123 (30'KB)
Magnets Comments Model: BRCV1212 Dip: 60.2° Mag Dec: 7.467°	Surface Location Lat: N 32.10 7.225 Long: W 107.11 2.516 Scale: 1:1000	Miscellaneous Syn: Dragon 36 State #5H 1701 Ref: KML500 (in above) Scale: 1:1000 Price: BRCV1212 (5.00)

Legend

	Critical Points									
Comments	Survey (NAD83)	Elevation (m)	NAD83 Easting (m)	NAD83 Northing (m)	UTM Easting (m)	UTM Northing (m)	Zone	UTM Easting (m)	UTM Northing (m)	Zone
1e-h	0.00	337.67	0.00	330.00	0.00	0.00	0.00	330.00	337.67	0.00
KCP	8972.54	0.00	337.67	8972.54	5471.54	0.00	0.00	5471.54	753989.01	0.00
ECC	9722.54	90.00	337.67	9450.00	5940.00	433.69	44.168	-161.41 N	32.0	5.659 W
Tun to 355.5° AZ	0.00	339.57	9450.00	5940.00	172.59	1153.03	324.57 N	32.0	0.359 W	163.31 E
EOG Drags & State FFF-PH4	14125.78	90.00	339.57	9450.00	5940.00	433.92	435.11	-352.91 N	32.0	30.07 W





EOG Dragon 36 State #5H REV0 SEB 15-JAN-13 Proposal Geodetic Report



(Def Plan)

Report Date: January 15, 2013 - 01:20 PM
Client: Eog Resources
Field: NM Lea County (NAD 27)
Structure / Slot: EOG Dragon 36 State #5H / EOG Dragon 36 State #5H
Well: EOG Dragon 36 State #5H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: EOG Dragon 36 State #5H REV0 SEB 15-JAN-13
Survey Date: January 15, 2013
Tort / AHD / DDI / ERD Ratio: 111.902 ° / 4880.709 ft / 5.912 / 0.516
Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 10' 2.22516", W 103° 31' 24.51649"
Location Grid N/E Y/X: N 425522.000 ftUS, E 750598.000 ftUS
CRS Grid Convergence Angle: 0.4312 °
Grid Scale Factor: 0.99998102

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 355.828 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: KB
TVD Reference Elevation: 3501.000 ft above
Seabed / Ground Elevation: 3471.000 ft above
Magnetic Declination: 7.467 °
Total Gravity Field Strength: 999.1528 mgn (9.8 based)
Total Magnetic Field Strength: 48411.196 nT
Magnetic Dip Angle: 60.062 °
Declination Date: January 15, 2013
Magnetic Declination Model: BGGM 2012
North Reference: Grid North
Grid Convergence Used: 0.4312 °
Total Corr Mag North->Grid North: 7.0358 °
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	337.67	0.00	0.00	0.00	0.00	0.00	N/A	750598.00	N 32 10 2.23	W 103 31 24.52
	100.00	0.00	337.67	100.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	200.00	0.00	337.67	200.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	300.00	0.00	337.67	300.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	400.00	0.00	337.67	400.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	500.00	0.00	337.67	500.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	600.00	0.00	337.67	600.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	700.00	0.00	337.67	700.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	800.00	0.00	337.67	800.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	900.00	0.00	337.67	900.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	1000.00	0.00	337.67	1000.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	1100.00	0.00	337.67	1100.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	1200.00	0.00	337.67	1200.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	1300.00	0.00	337.67	1300.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	1400.00	0.00	337.67	1400.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	1500.00	0.00	337.67	1500.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	1600.00	0.00	337.67	1600.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	1700.00	0.00	337.67	1700.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	1800.00	0.00	337.67	1800.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	1900.00	0.00	337.67	1900.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	2000.00	0.00	337.67	2000.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	2100.00	0.00	337.67	2100.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	2200.00	0.00	337.67	2200.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	2300.00	0.00	337.67	2300.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	2400.00	0.00	337.67	2400.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	2500.00	0.00	337.67	2500.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	2600.00	0.00	337.67	2600.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	2700.00	0.00	337.67	2700.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	2800.00	0.00	337.67	2800.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	2900.00	0.00	337.67	2900.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	3000.00	0.00	337.67	3000.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	3100.00	0.00	337.67	3100.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	3200.00	0.00	337.67	3200.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	3300.00	0.00	337.67	3300.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	3400.00	0.00	337.67	3400.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	3500.00	0.00	337.67	3500.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	3600.00	0.00	337.67	3600.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	3700.00	0.00	337.67	3700.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	3800.00	0.00	337.67	3800.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	3900.00	0.00	337.67	3900.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	4000.00	0.00	337.67	4000.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	4100.00	0.00	337.67	4100.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	4200.00	0.00	337.67	4200.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	4300.00	0.00	337.67	4300.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	4400.00	0.00	337.67	4400.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	4500.00	0.00	337.67	4500.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	4600.00	0.00	337.67	4600.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	4700.00	0.00	337.67	4700.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	4800.00	0.00	337.67	4800.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	4900.00	0.00	337.67	4900.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	5000.00	0.00	337.67	5000.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	5100.00	0.00	337.67	5100.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	5200.00	0.00	337.67	5200.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	5300.00	0.00	337.67	5300.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	5400.00	0.00	337.67	5400.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	5500.00	0.00	337.67	5500.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	5600.00	0.00	337.67	5600.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	5700.00	0.00	337.67	5700.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	5800.00	0.00	337.67	5800.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	5900.00	0.00	337.67	5900.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52

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	337.67	6000.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	6100.00	0.00	337.67	6100.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	6200.00	0.00	337.67	6200.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	6300.00	0.00	337.67	6300.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	6400.00	0.00	337.67	6400.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	6500.00	0.00	337.67	6500.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	6600.00	0.00	337.67	6600.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	6700.00	0.00	337.67	6700.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	6800.00	0.00	337.67	6800.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	6900.00	0.00	337.67	6900.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	7000.00	0.00	337.67	7000.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	7100.00	0.00	337.67	7100.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	7200.00	0.00	337.67	7200.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	7300.00	0.00	337.67	7300.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	7400.00	0.00	337.67	7400.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	7500.00	0.00	337.67	7500.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	7600.00	0.00	337.67	7600.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	7700.00	0.00	337.67	7700.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	7800.00	0.00	337.67	7800.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	7900.00	0.00	337.67	7900.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	8000.00	0.00	337.67	8000.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	8100.00	0.00	337.67	8100.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	8200.00	0.00	337.67	8200.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	8300.00	0.00	337.67	8300.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	8400.00	0.00	337.67	8400.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	8500.00	0.00	337.67	8500.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	8600.00	0.00	337.67	8600.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	8700.00	0.00	337.67	8700.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	8800.00	0.00	337.67	8800.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	8900.00	0.00	337.67	8900.00	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
KOP	8972.54	0.00	337.67	8972.54	0.00	0.00	0.00	0.00	425522.00	750598.00	N 32 10 2.23	W 103 31 24.52
	9000.00	3.30	337.67	8999.98	0.75	0.73	-0.30	12.00	425522.73	750597.70	N 32 10 2.23	W 103 31 24.52
	9100.00	15.30	337.67	9098.49	16.07	15.64	-6.43	12.00	425537.64	750591.57	N 32 10 2.38	W 103 31 24.59
	9200.00	27.30	337.67	9191.49	50.52	49.18	-20.20	12.00	425571.18	750577.80	N 32 10 2.71	W 103 31 24.75
	9300.00	39.30	337.67	9274.93	102.58	99.86	-41.02	12.00	425621.86	750556.98	N 32 10 3.22	W 103 31 24.98
	9400.00	51.30	337.67	9345.14	169.99	165.49	-67.97	12.00	425687.48	750530.03	N 32 10 3.87	W 103 31 25.29
	9500.00	63.30	337.67	9399.08	249.80	243.18	-99.88	12.00	425765.18	750498.12	N 32 10 4.64	W 103 31 25.66
	9600.00	75.30	337.67	9434.37	338.52	329.55	-135.36	12.00	425851.54	750462.64	N 32 10 5.50	W 103 31 26.06
	9700.00	87.30	337.67	9449.47	432.28	420.82	-172.85	12.00	425942.81	750425.16	N 32 10 6.40	W 103 31 26.49
EOC	9722.54	90.00	337.67	9450.00	453.69	441.66	-181.41	12.00	425963.65	750416.60	N 32 10 6.61	W 103 31 26.59
	9800.00	90.00	339.99	9450.00	527.76	513.89	-209.38	3.00	426035.88	750388.63	N 32 10 7.33	W 103 31 26.91
	9900.00	90.00	342.99	9450.00	624.63	608.71	-241.11	3.00	426130.69	750356.89	N 32 10 8.27	W 103 31 27.27
	10000.00	90.00	345.99	9450.00	722.67	705.06	-267.85	3.00	426227.04	750303.16	N 32 10 9.22	W 103 31 27.57
	10100.00	90.00	348.99	9450.00	821.60	802.67	-289.50	3.00	426324.66	750308.51	N 32 10 10.19	W 103 31 27.81
	10200.00	90.00	351.99	9450.00	921.16	901.29	-306.01	3.00	426423.27	750291.99	N 32 10 11.17	W 103 31 28.00
	10300.00	90.00	354.99	9450.00	1021.07	1000.63	-317.34	3.00	426522.61	750280.67	N 32 10 12.15	W 103 31 28.12
	10400.00	90.00	357.99	9450.00	1121.05	1100.43	-323.46	3.00	426622.41	750274.55	N 32 10 13.14	W 103 31 28.18
Turn to 359.56° AZI	10452.61	90.00	359.57	9450.00	1173.59	1153.03	-324.57	3.00	426675.00	750273.43	N 32 10 13.66	W 103 31 28.19
	10500.00	90.00	359.57	9450.00	1220.88	1200.42	-324.93	0.00	426722.39	750273.08	N 32 10 14.13	W 103 31 28.19
	10600.00	90.00	359.57	9450.00	1320.66	1300.42	-325.67	0.00	426822.39	750272.33	N 32 10 15.12	W 103 31 28.19
	10700.00	90.00	359.57	9450.00	1420.45	1400.41	-326.42	0.00	426922.38	750271.59	N 32 10 16.11	W 103 31 28.19
	10800.00	90.00	359.57	9450.00	1520.23	1500.41	-327.17	0.00	427022.38	750270.84	N 32 10 17.10	W 103 31 28.19
	10900.00	90.00	359.57	9450.00	1620.02	1600.41	-327.92	0.00	427122.37	750270.09	N 32 10 18.09	W 103 31 28.19
	11000.00	90.00	359.57	9450.00	1719.81	1700.40	-328.66	0.00	427222.37	750269.35	N 32 10 19.08	W 103 31 28.19
	11100.00	90.00	359.57	9450.00	1819.59	1800.40	-329.41	0.00	427322.36	750268.60	N 32 10 20.07	W 103 31 28.19
	11200.00	90.00	359.57	9450.00	1919.38	1900.40	-330.16	0.00	427422.36	750267.85	N 32 10 21.05	W 103 31 28.19
	11300.00	90.00	359.57	9450.00	2019.17	2000.40	-330.90	0.00	427522.35	750267.10	N 32 10 22.04	W 103 31 28.19
	11400.00	90.00	359.57	9450.00	2118.95	2100.39	-331.65	0.00	427622.35	750266.36	N 32 10 23.03	W 103 31 28.19
	11500.00	90.00	359.57	9450.00	2218.74	2200.39	-332.40	0.00	427722.34	750265.61	N 32 10 24.02	W 103 31 28.19
	11600.00	90.00	359.57	9450.00	2318.53	2300.39	-333.14	0.00	427822.34	750264.86	N 32 10 25.01	W 103 31 28.19
	11700.00	90.00	359.57	9450.00	2418.31	2400.39	-333.89	0.00	427922.33	750264.12	N 32 10 26.00	W 103 31 28.19
	11800.00	90.00	359.57	9450.00	2518.10	2500.38	-334.64	0.00	428022.33	750263.37	N 32 10 26.99	W 103 31 28.19
	11900.00	90.00	359.57	9450.00	2617.89	2600.38	-335.38	0.00	428122.33	750262.62	N 32 10 27.98	W 103 31 28.19
	12000.00	90.00	359.57	9450.00	2717.67	2700.38	-336.13	0.00	428222.32	750261.88	N 32 10 28.97	W 103 31 28.19
	12100.00	90.00	359.57	9450.00	2817.46	2800.37	-336.88	0.00	428322.32	750261.13	N 32 10 29.96	W 103 31 28.19
	12200.00	90.00	359.57	9450.00	2917.25	2900.37	-337.62	0.00	428422.31	750260.38	N 32 10 30.95	W 103 31 28.19
	12300.00	90.00	359.57	9450.00	3017.03	3000.37	-338.37	0.00	428522.31	750259.64	N 32 10 31.94	W 103 31 28.19
	12400.00	90.00	359.57	9450.00	3116.82	3100.37	-339.12	0.00	428622.30	750258.89	N 32 10 32.93	W 103 31 28.19
	12500.00	90.00	359.57	9450.00	3216.61	3200.36	-339.86	0.00	428722.30	750258.14	N 32 10 33.92	W 103 31 28.19
	12600.00	90.00	359.57	9450.00	3316.39	3300.36	-340.61	0.00	428822.29	750257.40	N 32 10 34.91	W 103 31 28.19
	12700.00	90.00	359.57	9450.00	3416.18	3400.36	-341.36	0.00	428922.29	750256.65	N 32 10 35.90	W 103 31 28.19
	12800.00	90.00	359.57	9450.00	3515.97	3500.35	-342.11	0.00	429022.28	750255.90	N 32 10 36.89	W 103 31 28.19
	12900.00	90.00	359.57	9450.00	3615.75	3600.35	-342.85	0.00	429122.28	750255.15	N 32 10 37.88	W 103 31 28.19
	13000.00	90.00	359.57	9450.00	3715.54	3700.35	-343.60	0.00	429222.27	750254.41	N 32 10 38.87	W 103 31 28.19
	13100.00	90.00	359.57	9450.00	3815.33	3800.35	-344.35	0.00	429322.27	750253.66	N 32 10 39.86	W 103 31 28.19
	13200.00	90.00	359.57	9450.00	3915.11	3900.34	-345.09	0.00	429422.26	750252.91	N 32 10 40.85	W 103 31 28.19
	13300.00	90.00	359.57	9450.00	4014.90	4000.34	-345.84	0.00	429522.26	750252.17	N 32 10 41.84	W 103 31 28.19
	13400.00	90.00	359.57									

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 ° ' ")
	14100.00	90.00	359.57	9450.00	4813.19	4800.32	-351.81	0.00	430322.22	750246.19	N 32 10 49.75	W 103 31 28.19
EOG Dragon 36 State #5H PBHL	14125.78	90.00	359.57	9450.00	4838.92	4826.10	-352.01	0.00	430348.00	750246.00	N 32 10 50.01	W 103 31 28.19

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)	EQU 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 #5H REV0 SEB 15-JAN-
	30.000	14125.784	1/100.000	30.000	30.000	SLB_MWD-STD	Original Borehole / EOG Dragon 36 State #5H REV0 SEB 15-JAN-

EOG RESOURCES, INC.
DRAGON 36 STATE #5H

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 #5H

■ **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 #5H**

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

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