OCD-ARTESIA

Form 3160-3
(August 1999)

RECEIVED
MAR 23 2006
OCD-ARTESIA

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: [X] DRILL [ ] REENTER	5. Lease Serial No. NMNM 108950
1b. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other [ ] Single Zone [ ] Multiple Zone	6. If Indian, Allottee or Tribe Name
2. Name of Operator EOG Resources, Inc. 7377	7. If Unit or CA Agreement, Name and No. 35548
3a. Address P.O. Box 2267, Midland, TX 79702	3b. Phone No. (include area code) (432) 686-3642
4. Location of Well (Report location clearly and in accordance with any State requirements.*) At surface 905' FNL & 506' FEL (U/L A) At proposed prod. Zone 760' FNL & 660' FWL (U/L D)	8. Lease Name and Well No. Colorado A 22 Fed 1H
	9. API Well No. 30-015-34716
	10. Field and Pool, or Exploratory Undes Cottonwood Creek; Wolfcamp West 75260
	11. Sec., T., R., M., or Blk. And Survey or Area Section 22, T16S-R24E, N.M.P.M.
14. Distance in miles and direction from nearest town or post office* 12 miles NW from Artesia ROSWELL CONTROLLED WATER BASIN	12. County or Parish Eddy / 13. State New Mexico
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. Unit line, if any) 905'	16. No. of Acres in lease 1,120 / 17. Spacing Unit dedicated to this well N/2
18. Distance from proposed location* to nearest well, drilling, completed applied for, on this lease, ft. 1,044'	19. Proposed Depth 4,551' TVD 8,577' TMD / 20. BLM/BIA Bond No. on file NM2308
21. Elevations (Show whether DF, KDB, RT, GL, etc) Gr 3625'	22. Approximate date work will start* 6/1/2006 / 23. Estimated duration 30 days

24. Attachments

The following completed in accordance with the requirements of Onshore Oil an Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest Sytem Lands, the SUPO shall be filed with the appropriate Forest Service Office)
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above)
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature Donny G. Glanton	Name (Printed/Typed) Donny G. Glanton	Date 1/27/2006
Title Agent		
Approved by (Signature) /S/ James Stovall	Name (Printed/Typed) /S/ James Stovall	Date MAR 20 2006
Title ACTING FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rightes in the subject lease which would entitle the applicant to conduct operations theron.
Conditions of approval, if any, are attached

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully 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 jurisidiction.

(Instructions on reverse)

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

If earthen pits are used is association with the drilling of this well, an OCD pit permit must be obtained prior to pit construction.

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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	75260	Undes Cottonwood Creek; Wolfcamp West

Property Code	Property Name	Well Number
	COLORADO A 22 FEDERAL	1H

OGRID No.	Operator Name	Elevation
7377	EOG RESOURCES, INC.	3625'

Surface Location

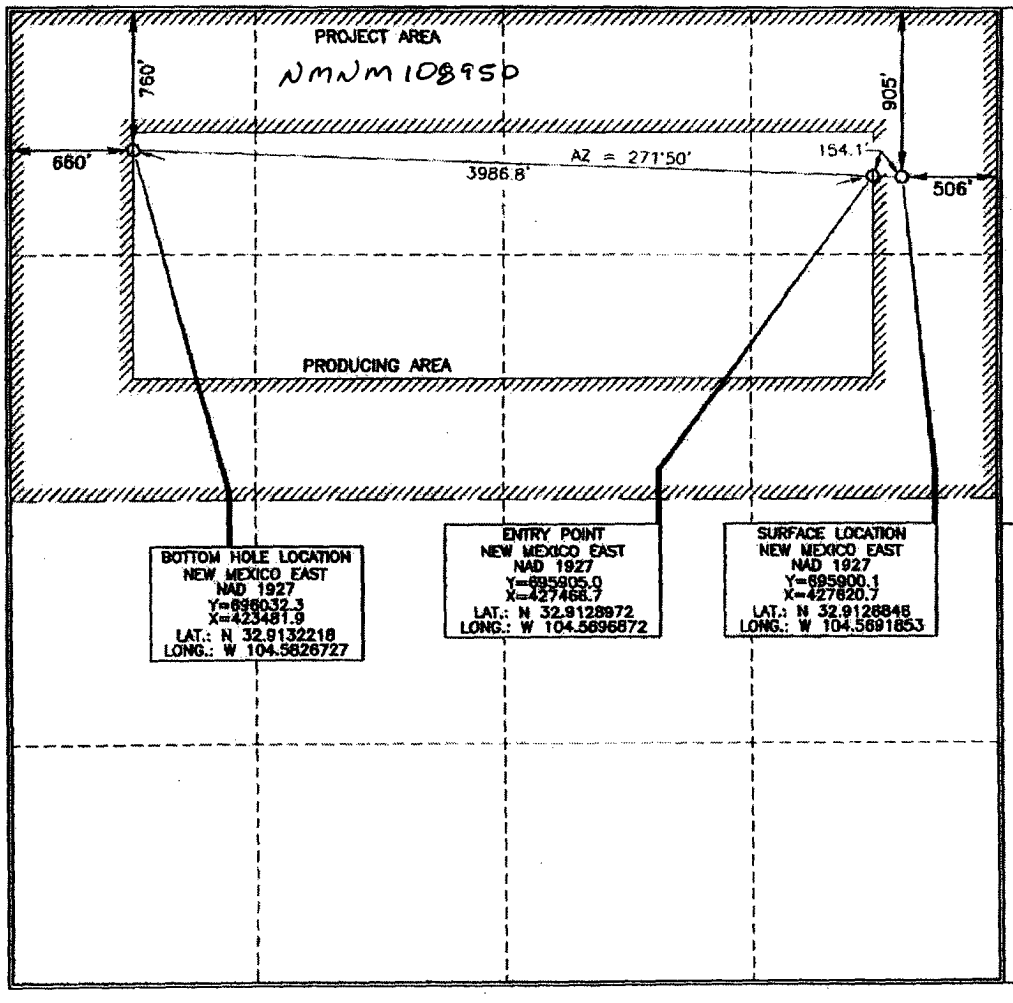
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	22	16 SOUTH	24 EAST, N.M.P.M.		905	NORTH	506	EAST	EDDY

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
D	22	16 SOUTH	24 EAST, N.M.P.M.		760	NORTH	660	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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.



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 or has a right to drill this well at this 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.

Donny G. Glanton 1/26/06

Signature *Date*

Donny G. Glanton

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.

JANUARY 11, 2006

Date of Survey

Signature and Seal of Professional Surveyor:

NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR 15079

Jerry L. Dad 1/27/2006

Certificate Number 15079

WO# 051219WL-a (CDG)

1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No X
Type of action: Registration of a pit or below-grade tank X Closure of a pit or below-grade tank ☐

Operator: EOG Resources, Inc. Telephone: (432) 686-3642 e-mail address: Donny_Glanton@eogresources.com
Address: P.O. Box 2267 Midland, Texas 79702
Facility or well name: Colorado A 22 Fed No. 1H API #: _____ U/L or Qtr/Qtr A Sec 22 T16S – R24E
County: Eddy Latitude: N32.9128846 Longitude: W104.5691853 NAD: 1927 X 1983 ☐
Surface Owner: Federal X State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**
Type: Drilling X Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined X Unlined ☐ Liner type: Synthetic X Thickness 12 mil Clay ☐ Pit Volume 10,300 bbl	Volume: _____bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why _____

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Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet **100 feet or more X**	(20 points) (10 points) (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes **No X**	(20 points) (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet **1000 feet or more X**	(20 points) (10 points) (0 points)
	Ranking Score (Total Points)	

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☐ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines X, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Date: 3/16/2006
Printed Name/Title: Donny G. Glanton / Agent Signature Donny G. Glanton

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Printed Name/Title _____ Signature _____ Date MAR 2 1 2006

eog resources

EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702
(915) 686-3600

January 27, 2006

State of New Mexico Energy, Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

To Whom It May Concern:

I am writing to request a waiver for the inclusion of an H_2S Contingency Plan for the Colorado A 22 Fed #1H. The current plan is to complete this well in the Wolfcamp, which is sweet, and I do not anticipate encountering any H_2S bearing formations during drilling operations.

Sincerely,

Jason LaGrega
Drilling Engineer

Permit Information:

Well Name: Colorado A 22 Fed #1H

Location:

SL 905' FNL & 506' FEL, Section 22, T-16-S, R-24-E, Eddy Co., N.M.

BHL 760' FNL & 660' FWL, Section 22, T-16-S, R-24-E, Eddy Co., N.M.

Casing Program:

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	900'	9-7/8"	7"	23#	J-55	Surface
Production	8,577'	6-1/8"	4 ½"	11.6#	P-110	Surface

Cement Program:

Depth	No. Sacks	Slurries:
900'	300	Lead: Premium Plus + 2% $CaCl_2$ + 3% Econolite + ¼ pps Flocele
	200	Tail: Premium Plus + 2% $CaCl_2$ + ¼ pps Flocele
8,577'	400	Lead: Interfill C + ¼ pps Flocele
	350	Tail: Premium Cement + 100% Acid Soluble Additive + 0.6% Halad®-344 + 0.8% Econolite + 0.2% HR-55

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 950'	Fresh - Gel	8.6-8.8	28-34	N/c
950' – 4,400'	Cut Brine	8.8-9.2	28-34	N/c
4,400' – 5,100'	Cut Brine	8.8-9.2	28-34	10-15
4,218' – 8,577'	Polymer (Lateral)	9.0-9.4	40-45	10-25

EOG RESOURCES INC.

Planning Report

Database:	EDM	**Local Co-ordinate Reference:**	Well Colorado A 22 Fed #1H
Company:	EOG - Midland (3)	**TVD Reference:**	WELL @ 3640.0ft (Original Well Elev)
Project:	Thames	**MD Reference:**	WELL @ 3640.0ft (Original Well Elev)
Site:	Colorado A 22 Fed #1H	**North Reference:**	Grid
Well:	Colorado A 22 Fed #1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Colorado A 22 Fed #1H		
Design:	Plan #1		

Project	Thames		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Colorado A 22 Fed #1H				
Site Position:		**Northing:**	695,900.10 ft	**Latitude:**	32° 54' 46.385 N
From:	Map	**Easting:**	427,620.70 ft	**Longitude:**	104° 34' 9.067 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	-0.13 °

Well	Colorado A 22 Fed #1H					
Well Position	**+N/-S**	0.0 ft	**Northing:**	695,900.10 ft	**Latitude:**	32° 54' 46.385 N
	+E/-W	0.0 ft	**Easting:**	427,620.70 ft	**Longitude:**	104° 34' 9.067 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	3,625.0 ft

Wellbore	Colorado A 22 Fed #1H				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2000	12/31/2004	9.08	60.88	49,715

Design	Plan #1				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	4,551.0	0.0	0.0	271.83	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,218.0	0.00	0.00	4,218.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,818.0	90.00	271.84	4,600.0	12.3	-381.8	15.00	15.00	0.00	271.84	
4,843.0	90.75	271.83	4,599.8	13.1	-406.7	3.00	3.00	-0.05	-0.89	
8,577.2	90.75	271.83	4,551.0	132.2	-4,138.7	0.00	0.00	0.00	0.00	
8,577.3	90.75	271.83	4,551.0	132.2	-4,138.8	3.00	1.69	2.48	55.62	BHL (Colorado A 2

EOG RESOURCES INC.

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Site:	Colorado A 22 Fed #1H	**North Reference:**	Grid
Well:	Colorado A 22 Fed #1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Colorado A 22 Fed #1H		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,218.0	0.00	0.00	4,218.0	0.0	0.0	0.0	0.00	0.00	0.00
4,225.0	1.05	271.84	4,225.0	0.0	-0.1	0.1	15.00	15.00	0.00
4,250.0	4.80	271.84	4,250.0	0.0	-1.3	1.3	15.00	15.00	0.00
4,275.0	8.55	271.84	4,274.8	0.1	-4.2	4.2	15.00	15.00	0.00
4,300.0	12.30	271.84	4,299.4	0.3	-8.8	8.8	15.00	15.00	0.00
4,325.0	16.05	271.84	4,323.6	0.5	-14.9	14.9	15.00	15.00	0.00
4,350.0	19.80	271.84	4,347.4	0.7	-22.6	22.6	15.00	15.00	0.00
4,375.0	23.55	271.84	4,370.6	1.0	-31.8	31.8	15.00	15.00	0.00
4,400.0	27.30	271.84	4,393.2	1.4	-42.5	42.5	15.00	15.00	0.00
4,425.0	31.05	271.84	4,415.0	1.8	-54.7	54.7	15.00	15.00	0.00
4,450.0	34.80	271.84	4,436.0	2.2	-68.3	68.3	15.00	15.00	0.00

EOG RESOURCES INC.

Planning Report

Database:	EDM	**Local Co-ordinate Reference:**	Well Colorado A 22 Fed #1H
Company:	EOG - Midland (3)	**TVD Reference:**	WELL @ 3640.0ft (Original Well Elev)
Project:	Thames	**MD Reference:**	WELL @ 3640.0ft (Original Well Elev)
Site:	Colorado A 22 Fed #1H	**North Reference:**	Grid
Well:	Colorado A 22 Fed #1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Colorado A 22 Fed #1H		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,475.0	38.55	271.84	4,456.0	2.7	-83.2	83.2	15.00	15.00	0.00
4,500.0	42.30	271.84	4,475.1	3.2	-99.4	99.5	15.00	15.00	0.00
4,525.0	46.05	271.84	4,493.0	3.8	-116.8	116.9	15.00	15.00	0.00
4,550.0	49.80	271.84	4,509.7	4.3	-135.4	135.4	15.00	15.00	0.00
4,575.0	53.55	271.84	4,525.2	5.0	-155.0	155.0	15.00	15.00	0.00
4,600.0	57.30	271.84	4,539.4	5.6	-175.5	175.6	15.00	15.00	0.00
4,625.0	61.05	271.84	4,552.2	6.3	-197.0	197.1	15.00	15.00	0.00
4,650.0	64.80	271.84	4,563.6	7.0	-219.2	219.3	15.00	15.00	0.00
4,675.0	68.55	271.84	4,573.5	7.8	-242.2	242.3	15.00	15.00	0.00
4,700.0	72.30	271.84	4,581.9	8.5	-265.7	265.8	15.00	15.00	0.00
4,725.0	76.05	271.84	4,588.7	9.3	-289.7	289.9	15.00	15.00	0.00
4,750.0	79.80	271.84	4,593.9	10.1	-314.2	314.3	15.00	15.00	0.00
4,775.0	83.55	271.84	4,597.6	10.9	-338.9	339.1	15.00	15.00	0.00
4,800.0	87.30	271.84	4,599.5	11.7	-363.8	364.0	15.00	15.00	0.00
4,818.0	90.00	271.84	4,600.0	12.3	-381.8	382.0	15.00	15.00	0.00
4,843.0	90.75	271.83	4,599.8	13.1	-406.7	406.9	3.00	3.00	-0.05
4,900.0	90.75	271.83	4,599.1	14.9	-463.7	464.0	0.00	0.00	0.00
5,000.0	90.75	271.83	4,597.8	18.1	-563.7	564.0	0.00	0.00	0.00
5,100.0	90.75	271.83	4,596.4	21.3	-663.6	663.9	0.00	0.00	0.00
5,200.0	90.75	271.83	4,595.1	24.5	-763.5	763.9	0.00	0.00	0.00
5,300.0	90.75	271.83	4,593.8	27.6	-863.5	863.9	0.00	0.00	0.00
5,400.0	90.75	271.83	4,592.5	30.8	-963.4	963.9	0.00	0.00	0.00
5,500.0	90.75	271.83	4,591.2	34.0	-1,063.4	1,063.9	0.00	0.00	0.00
5,600.0	90.75	271.83	4,589.9	37.2	-1,163.3	1,163.9	0.00	0.00	0.00
5,700.0	90.75	271.83	4,588.6	40.4	-1,263.3	1,263.9	0.00	0.00	0.00
5,800.0	90.75	271.83	4,587.3	43.6	-1,363.2	1,363.9	0.00	0.00	0.00
5,900.0	90.75	271.83	4,586.0	46.8	-1,463.1	1,463.9	0.00	0.00	0.00
6,000.0	90.75	271.83	4,584.7	50.0	-1,563.1	1,563.9	0.00	0.00	0.00
6,100.0	90.75	271.83	4,583.4	53.2	-1,663.0	1,663.9	0.00	0.00	0.00
6,200.0	90.75	271.83	4,582.1	56.4	-1,763.0	1,763.9	0.00	0.00	0.00
6,300.0	90.75	271.83	4,580.8	59.5	-1,862.9	1,863.8	0.00	0.00	0.00
6,400.0	90.75	271.83	4,579.5	62.7	-1,962.8	1,963.8	0.00	0.00	0.00
6,500.0	90.75	271.83	4,578.2	65.9	-2,062.8	2,063.8	0.00	0.00	0.00
6,600.0	90.75	271.83	4,576.8	69.1	-2,162.7	2,163.8	0.00	0.00	0.00
6,700.0	90.75	271.83	4,575.5	72.3	-2,262.7	2,263.8	0.00	0.00	0.00
6,800.0	90.75	271.83	4,574.2	75.5	-2,362.6	2,363.8	0.00	0.00	0.00
6,900.0	90.75	271.83	4,572.9	78.7	-2,462.5	2,463.8	0.00	0.00	0.00
7,000.0	90.75	271.83	4,571.6	81.9	-2,562.5	2,563.8	0.00	0.00	0.00
7,100.0	90.75	271.83	4,570.3	85.1	-2,662.4	2,663.8	0.00	0.00	0.00
7,200.0	90.75	271.83	4,569.0	88.3	-2,762.4	2,763.8	0.00	0.00	0.00
7,300.0	90.75	271.83	4,567.7	91.5	-2,862.3	2,863.8	0.00	0.00	0.00
7,400.0	90.75	271.83	4,566.4	94.6	-2,962.2	2,963.8	0.00	0.00	0.00
7,500.0	90.75	271.83	4,565.1	97.8	-3,062.2	3,063.7	0.00	0.00	0.00
7,600.0	90.75	271.83	4,563.8	101.0	-3,162.1	3,163.7	0.00	0.00	0.00
7,700.0	90.75	271.83	4,562.5	104.2	-3,262.1	3,263.7	0.00	0.00	0.00
7,800.0	90.75	271.83	4,561.2	107.4	-3,362.0	3,363.7	0.00	0.00	0.00
7,900.0	90.75	271.83	4,559.9	110.6	-3,461.9	3,463.7	0.00	0.00	0.00
8,000.0	90.75	271.83	4,558.5	113.8	-3,561.9	3,563.7	0.00	0.00	0.00
8,100.0	90.75	271.83	4,557.2	117.0	-3,661.8	3,663.7	0.00	0.00	0.00
8,200.0	90.75	271.83	4,555.9	120.2	-3,761.8	3,763.7	0.00	0.00	0.00
8,300.0	90.75	271.83	4,554.6	123.4	-3,861.7	3,863.7	0.00	0.00	0.00
8,400.0	90.75	271.83	4,553.3	126.5	-3,961.6	3,963.7	0.00	0.00	0.00
8,500.0	90.75	271.83	4,552.0	129.7	-4,061.6	4,063.7	0.00	0.00	0.00

EOG RESOURCES INC.

Planning Report

Database:	EDM	**Local Co-ordinate Reference:**	Well Colorado A 22 Fed #1H
Company:	EOG - Midland (3)	**TVD Reference:**	WELL @ 3640.0ft (Original Well Elev)
Project:	Thames	**MD Reference:**	WELL @ 3640.0ft (Original Well Elev)
Site:	Colorado A 22 Fed #1H	**North Reference:**	Grid
Well:	Colorado A 22 Fed #1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Colorado A 22 Fed #1H		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,577.3	90.75	271.83	4,551.0	132.2	-4,138.8	4,140.9	0.00	0.00	0.00
BHL (Colorado A 22 Fed #1H)									
8,577.3	90.75	271.83	4,551.0	132.2	-4,138.8	4,140.9	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BHL (Colorado A 22 F - plan hits target - Point	0.00	0.00	4,551.0	132.2	-4,138.8	696,032.30	423,481.90	32° 54' 47.599 N	104° 34' 57.622 W

SITE DETAILS: Colorado A 22 Fed #1H

Site Centre Northing: 695900.10
Easting: 427620.70

Positional Uncertainity: 0.0
Convergence: -0.13
Local North: Grid

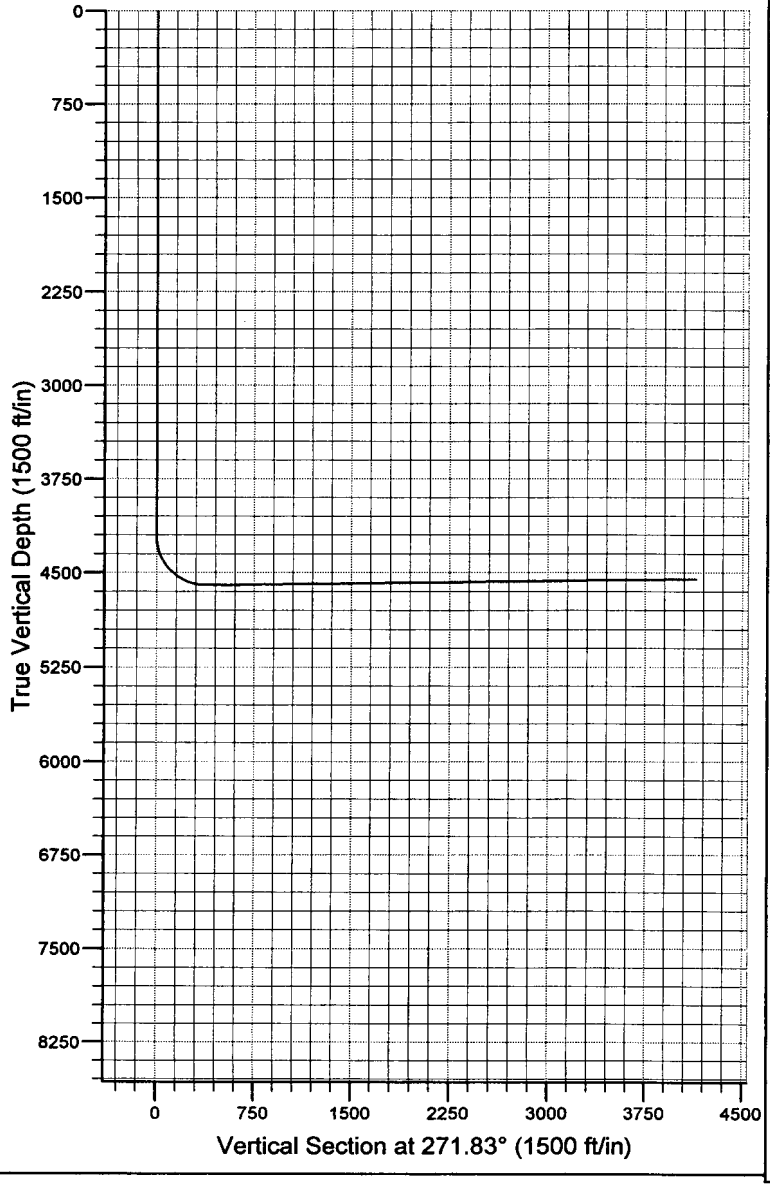
PROJECT DETAILS: Thames

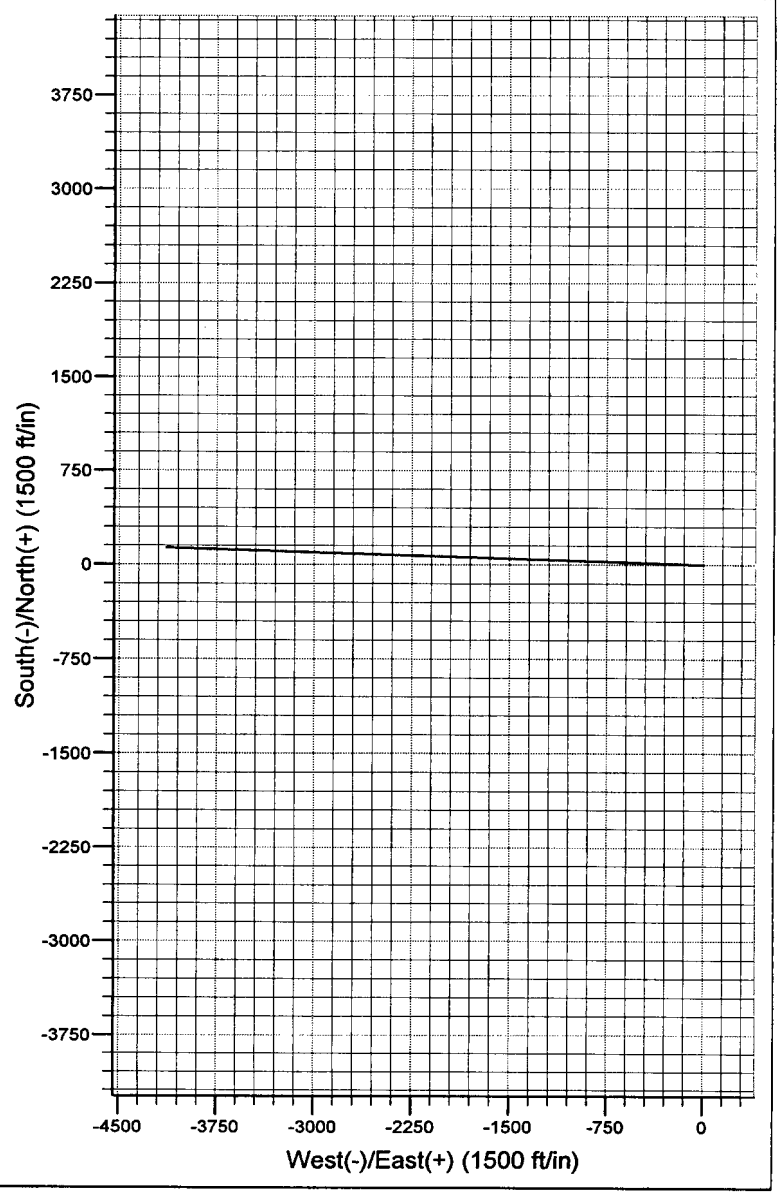
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001

System Datum: Mean Sea Level

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
4218.0	0.00	0.00	4218.0	0.0	0.0	0.00	0.00	0.0	
4818.0	90.00	271.84	4600.0	12.3	-381.8	15.00	271.84	382.0	
4843.0	90.75	271.83	4599.8	13.1	-406.7	3.00	-0.89	406.9	
8577.2	90.75	271.83	4551.0	132.2	-4138.7	0.00	0.00	4140.8	
8577.3	90.75	271.83	4551.0	132.2	-4138.8	3.00	55.62	4140.9	BHL (Colorado A 22 Fed #1H)





DRILLING PROGRAM

EOG RESOURCES, INC.
Colorado A22 Fed No. 1H
Eddy Co. NM

1. GEOLOGIC NAME OF SURFACE FORMATION:

Quaternary Alluvium 0-200

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

San Andres	665'
Glorieta	2,035'
Tubb	3,326'
Abo Shale	4,015'
Wolfcamp Pay	5,065'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Quanterary Alluvium	0- 200'	Fresh Water
San Andres	665'	Oil
Glorieta	2,035'	Oil/Gas
Tubb	3,326'	Oil/Gas
Abo/Wolfcamp Pay	5,065'	Gas

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 7" casing at 900' and circulating cement back to surface.

4. CASING PROGRAM

Hole Size	Interval	OD Casing	Weight	Grade	Jt. Conn. Type
9.875"	0-900'	7"	26#	J-55	LT&C
6.125"	0-8,577'	4.5"	11.6#	P-110	LT&C

Cementing Program:

7" Surface Casing:	Cement to surface with 300 sx Prem Plus, 3% Econolite 1/4 pps Flocele, 2% Calcium Chloride, 200 sx Prem Plus, 2% Calcium Chloride, .25#/sx Flocele
4-1/2" Production	Cement with 400sx Interfill C,+ 0.25#sx Flocele; 350 sx Premium Cement, 100% Acid Soluble Additive, + 0.6% Halad-344 + 0.8% Econolite+ 0.2% HR-55.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

(SEE EXHIBIT #1)

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (5000 psi WP) preventer and an annular preventer (5000-psi WP). Units will be hydraulically operated and the ram-type will be equipped with blind rams on top and drill pipe rams on bottom. All BOP's and accessory equipment will be tested in accordance with Onshore Oil & Gas order No. 2. for a 3M system.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

The well will be drilled to TD with a combination of brine, cut brine, and polymer mud system. The applicable depths and properties of this system are as follows:

Depth	Type	Wt (PPG)	Viscosit (sec)	Waterloss (cc)
0-950'	Fresh – Gel	8.6-8.8	28-34	N/c
950'-4400'	Cut Brine	8.8-9.2	28-34	N/c
4,400'-5,100'	Cut Brine (Pilot Hole)	8.8-9.2	28-34	10-15
4,218'-8,577'	Polymer (Lateral)	9.0-9.4	40-45	10-25

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

(A) A kelly cock will be kept in the drill string at all times.

(B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.

8. LOGGING, TESTING AND CORING PROGRAM:

Electric logging will consist of GR-Dual Laterlog and GR-Compensated Density-Neutron from +/-900' to TVD.

Possible sidewall cores based on shows.

9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND POTENTIAL HAZARDS:

The estimated bottom hole temperature (BHT) at TD is 125 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 2000 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered,

reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

The drilling operation should be finished in approximately one month. If the well is productive, an additional 30-60 days will be required for completion and testing before a decision is made to install permanent facilities.

DRILLING PROGRAM

EOG RESOURCES, INC.
Colorado A22 Fed No. 1H
Eddy Co. NM

SURFACE USE AND OPERATIONS PLAN
Surface is owned by the BLM

Directions to Well Site: From the Intersection of U.S. Hwy 82 & U.S. Hwy 285, Go west on Hwy 82 for 11.3 miles, Thence north on County Road No. 95 (Joy Road) for 5.3 miles to the location which resides on the east side of County Road No. 95 (Joy Road).

1. EXISTING ROADS:

Access to location will be made as shown on Exhibit #2

Routine grading and maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue on this lease.

2. PROPOSED ACCESS ROAD:

No new roads necessary. Access to drilling location will be off County Road No. 95 (Joy Road) from the NW Corner of the proposed location. See Exhibit #2a.

No turnouts necessary.

No culverts or cattle guards are necessary. No low-water crossings are necessary.

Surfacing material consists of native caliche to be obtained from the nearest BLM-approved caliche pit. Any additional materials required will be purchased from the dirt contractor.

3. LOCATION OF EXISTING WELLS:

Exhibit #3 shows all existing wells within a one-mile radius of this well.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

There are no existing production facilities. If production is encountered, a temporary facility will be established on the drill pad, and if warranted, a production facility would be built at a later date in the immediate area of the drill pad location. If the well is productive, the flowline will be built to the nearest pipeline.

5. LOCATION AND TYPE OF WATER SUPPLY:

Fresh water and brine water for drilling will come from commercial sources and transported to the well site over the roads as shown on Exhibit #2 and by temporary water supply lines

6. PLANS FOR RESTORATION OF THE SURFACE:

After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Location will be cleaned of all trash and junk to leave the well in an aesthetically pleasing condition as possible.

Any unguarded pits containing fluid will be fenced until they are dry and back filled.

After abandonment of the well, surface restoration will be in accordance with current federal laws and regulations. Location will be cleaned, and the well pad removed to promote vegetation and disposal of human waste will be complied with. Trash, waste paper, garbage and junk will be hauled to an approved disposal site in an enclosed trash trailer.

All trash and debris will be removed from the well site within 30 days after finishing drilling and/or completion operations.

ANCILLARY FACILITIES:

No airstrip, campsite, or other facilities will be built.

WELL SITE LAYOUT:

Exhibit #4 shows the relative location and dimensions of the well pad.

DRILLING PROGRAM

EOG RESOURCES, INC.
Colorado A22 Fed No. 1H
Eddy Co. NM

OTHER INFORMATION:

The area around the well site is grassland and the topsoil is sandy. The vegetation is native scrub grass.

CERTIFICATION:

I HEREBY CERTIFY that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Ron McCluskey - Drlg Engr
for Jason LaGrega
Division Drilling Engineer

DATE 1/27/2006

DRILLING PROGRAM

EOG RESOURCES, INC.
Colorado A22 Fed No. 1H
Eddy Co. NM

ATTACHMENT TO EXHIBIT #1

1. Wear ring to be properly installed in head.

2. Blow out preventer and all fittings must be in good condition, 3000 psi W.P. minimum. Exhibit #1.

3. All fittings to be flanged

4. Safety valve must be available on rig floor at all times with proper connections, valve to be full bore 3000 psi W.P. minimum.

5. All choke and fill lines to be securely anchored especially ends of choke lines.

6. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.

7. Kelly cock on kelly.

8. Extension wrenches and hand wheels to be properly installed.

9. Blow out preventer control to be located as close to driller's position as feasible.

10. Blow out preventer closing equipment to include minimum 40-gallon accumulator, two independent sources of pump power on each closing unit installation, and meet all API specifications.

EOG Resources, Inc.

COLORADO A22 FED No. 1H

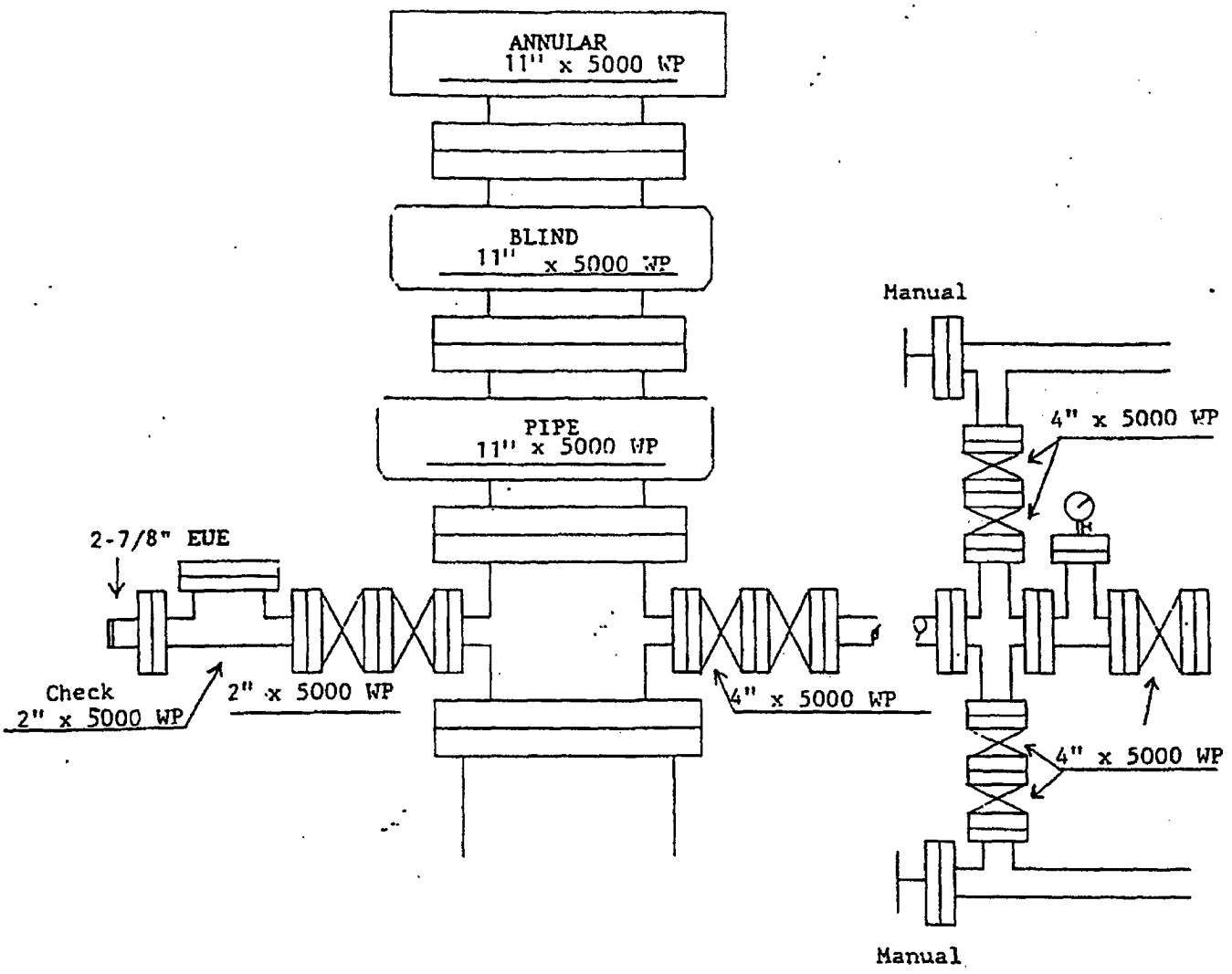
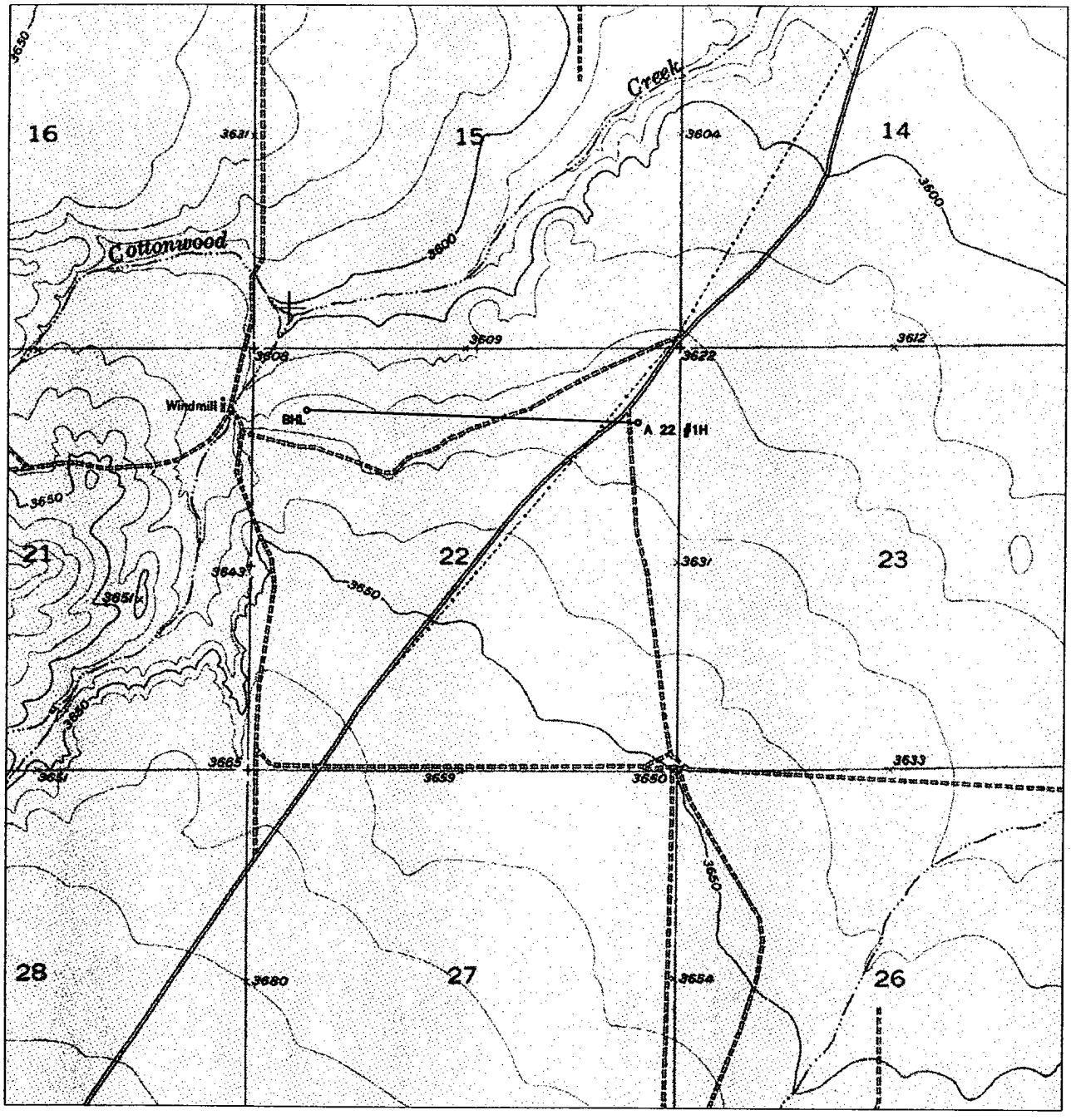


Exhibit 1

EXHIBIT "2"

LOCATION VERIFICATION MAP



SEC. 22 TWP. 16-S RGE. 24-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 905' FNL & 506' FEL

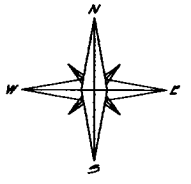
ELEVATION 3625'

OPERATOR EOG RESOURCES, INC

LEASE COLORADO A 22 FED #1H

U.S.G.S. TOPOGRAPHIC MAP
HOPE NE, NM

CONTOUR INTERVAL = 10 FEET
SCALE 1" = 2000'



Asel Surveying
& Consulting

P.O. BOX 393 – 310 W. TAYLOR
HOBBS, NEW MEXICO – 505-393-9146

Statement Accepting Responsibility For Operations

Operator Name: EOG Resources, Inc.
Street or Box: P.O. Box 2267
City, State: Midland, TX
Zip Code: 79702

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No.: NMNM 108950

Legal Description of Land: N/2 Sec.22 T-16-S; R-24-E, N.M.P.M., Eddy Co. NM
Formation(s) (if applicable):

Bond Coverage: (*State if individually bonded or another's bond*) Individually
Nationwide

BLM Bond File No.: NM2308 with endorsement to State of NM

Authorized Signature: _____
Donny G. Glanton

Title: Agent

Date: 1/27/2006

CONDITIONS OF APPROVAL – DRILLING

Operator's Name: EOG Resources Incorporated
Well Name & No: Colorado A 22 Fed No. 01 - H
Location: Surface: 905' FNL & 506' FEL Sec.22, T. 16 S., R. 24 E.
BHL : 760' FNL & 660' FWL, Sec 22, T. 16 , R. 24 E
Lease: NMNM 108950 Lea County, NM

I. DRILLING OPERATIONS REQUIREMENTS:

1. The Bureau of Land Management (BLM) is to be notified at the Roswell Field Office, 2909 West Second St., Roswell, NM 88201, (505) 627-0272 for wells in Chaves and Roosevelt Counties; the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 361-2822 for wells in Eddy County; and the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (505) 393-3612 for wells in Lea County, in sufficient time for a representative to witness:

A. Spudding

B. Cementing casing: 7 inch, 4 ½ inch

C. BOP tests

2. A Hydrogen Sulfide (H2S) Drilling Plan is not required on this well.

3. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

4. Submit a Sundry Notice (Form 3160-5, one original and five copies) for each casing string, describing the casing and cementing operations. Include pertinent information such as; spud date, hole size, casing (size, weight, grade and thread type), cement (type, quantity and top), water zones and problems or hazards encountered. The Sundry shall be submitted within 15 days of completion of each casing string. The reports may be combined into the same Sundry if they fall within the same 15 day time frame.

5. The API No. assigned to the well by NMOCD shall be included on the subsequent report of setting the first casing string.

6. A Communitization Agreement shall be filed and approved by this office prior to any sales from this well.

II. CASING:

1. The 7 inch shall be set at **900 Ft.** with cement circulated to the surface. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.

2. The minimum required fill of cement behind the 4 ½ inch production casing is to place TOC at least 200 feet above the Top of the Wolfcamp.

III. PRESSURE CONTROL:

1. All BOP systems and related equipment shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2. The BOP and related equipment shall be installed and operational before drilling below the **13 ⅜** inch casing shoe and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.

2. Minimum working pressure of the blowout preventer and related equipment (BOPE) shall be **2 M psi.** However, the operator is installing a 5M BOPE and wishes to test it under a 3M rating, - Approved.

III. (Pressure Control Con't)

3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the test.

-The test shall be done by an independent service company
-The results of the test shall be reported to the appropriate BLM office.
-Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures.
-Use of drilling mud for testing is not permitted since it can mask small leaks.
-Testing must be done in safe workman-like manner. Hard line connections shall be required.

Ggourley, BLM Roswell, 02/23/06