

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NM17223

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other

b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
EOG RESOURCES, INC. ✓

Contact: BEV HATFIELD
E-Mail: beverly_hatfield@eogresources.com

8. Lease Name and Well No.
OREO 25 FED COM 1

3. Address P. O. BOX 2267
MIDLAND, TX 79702

3a. Phone No. (include area code)
Ph: 915.686.3689 Fx: 915.686.3765

9. API Well No.
30 015 31783

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NWSE 1980FSL 1980FEL

At top prod interval reported below NWSE 1980FSL 1500FEL

At total depth NWSE 1980FSL 1500FEL

10. Field and Pool, or Exploratory
TURKEY TRACK; MORROW NORTH

11. Sec., T., R., M., or Block and Survey
or Area Sec 25 T18S R29E Mer

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
07/06/2001

15. Date T.D. Reached
08/04/2001

16. Date Completed
☐ D & A ☐ Ready to Prod.
08/15/2001

17. Elevations (DF, KB, RT, GL)*
3427 GL

18. Total Depth: MD 11950
TVD 11900

19. Plug Back T.D.: MD
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GR/NEU/DENSITY, SONIC, STRAT DIP

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☒ No ☐ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Casing Top*	Amount Pulled
14.750	11.750 ST&C	42.000		450	450	300		0	
11.000	8.625 J-55	32.000		3424	3424	1000		0	
7.875	5.500 P110	17.000		11950	1080	1080		4500	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	11303							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
TURKEY TRACK; MORROW, NORTH	11284	11303	11284 TO 11303	3.375	76	PRODUCING
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/15/2001	08/19/2001	24	→	1.0	2290.0	1.0	51.4	0.66	FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
10/64	SI 375	3130.0	→	1	2290	1	62368	PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ACCEPTED FOR RECORD

(ORIG. SGD.) DAVID R. GLASS

SEP 27 2001

DAVID R. GLASS
PETROLEUM ENGINEER

CLSF

RECEIVED
SEP 14 01
ROSWELL NM

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
MORROW	11284	11303		YATES QUEEN BONE SPRINGS WOLFCAMP PENN CISCO CANYON STRAWN ATOKA MORROW TD	965 1810 3877 9014 9752 9884 10096 10362 10596 10834 11950

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

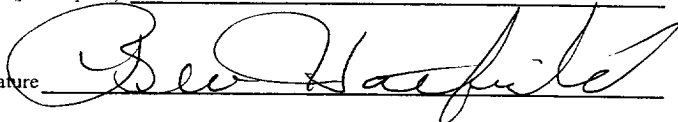
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Name (please print) BEV HATFIELD

Title

Sr. Regulatory Admin

Signature



Date 09/11/2001

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 jurisdiction.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30 015 31783		*Pool Code 86500	*Pool Name Turkey Track; Morrow, North
*Property Code	*Property Name OREO "25" FEDERAL COM		*Well Number 1
*GRID No. 7377	*Operator Name EOG RESOURCES INC.		*Elevation 3427

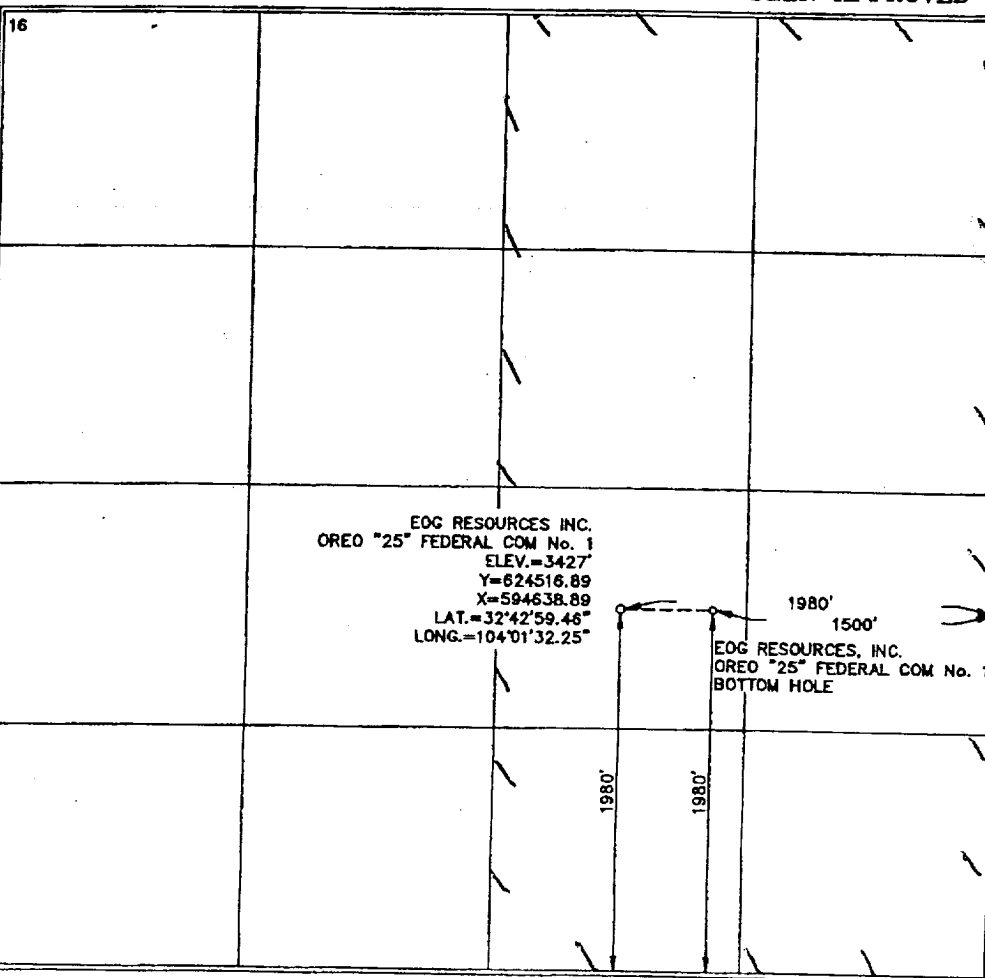
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	25	18-S	29-E		1980	SOUTH	1980	EAST	EDDY

¹¹ 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
J	25	18-S	29-E		1980	SOUTH	1500	EAST	EDDY
*Dedicated Acres 320		*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

16 	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Bev Hatfield</i> Signature Bev Hatfield Printed Name Senior Regulatory Administrator Title 9-11-01 Date
	18 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 best of my belief. JANUARY 25, 2001 Date of Survey Signature and Seal of Registered Professional Surveyor: <i>James E. Tompkins</i> Certificate Number 14729
	EOG RESOURCES INC. OREO "25" FEDERAL COM No. 1 ELEV.=3427' Y=824516.89 X=594638.89 LAT.=32°42'59.48" LONG.=104°01'32.25" EOG RESOURCES, INC. OREO "25" FEDERAL COM No. 1 BOTTOM HOLE

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised March 25, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address EOG Resources, Inc. P.O. Box 2267 Midland, TX 79702		² OGRID Number 7377 ³ Reason for Filing Code NW; RT 400 EO; 50 MACT 8-01
⁴ API Number 30-0 15 31783	⁵ Pool Name TURKEY TRACK; MORROW, NORTH	⁶ Pool Code 86500
⁷ Property Code	⁸ Property Name OREO 25 FED COM	⁹ Well Number 1

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	25	18S	29E		1980	SOUTH	1980	EAST	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	25	18S	29E		1980	SOUTH	1500	EAST	EDDY
¹² Lse Code F	¹³ Producing Method Code FLWG	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
022507	Equilon		O	SAME AS SURF
005097	CONOCO		G	SAME AS SURF

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
	SAME AS SURF

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBDT	²⁹ Perforations	³⁰ DHC, MC
7/6/01	08/15/01	V 11900 M 7115	11855	11284-11303	
³¹ Hole Size	³² Casing & Tubing Size	³³ Depth Set	³⁴ Sacks Cement		
14.75	11.750	450	300		
11	8.625	3424	1000		
7.875	5.50	11950	1080		
	2.875	11303			

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date	³⁸ Test Length	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
8-15-01	8-15-01	8-16-01	24	375	3130
⁴¹ Choke Size	⁴² Oil	⁴³ Water	⁴⁴ Gas	⁴⁵ AOF	⁴⁶ Test Method
10/64-22/64	1	1	2290	20755.	FLWG

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
Signature: *Bev Hatfield*

Printed name:
BEV HATFIELD
Title:
SR REGULATORY ADMIN.
Date: **9-11-01**

Phone: **915/686-3689**

Approved by:

Title:

Approval Date:

OIL CONSERVATION DIVISION

⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

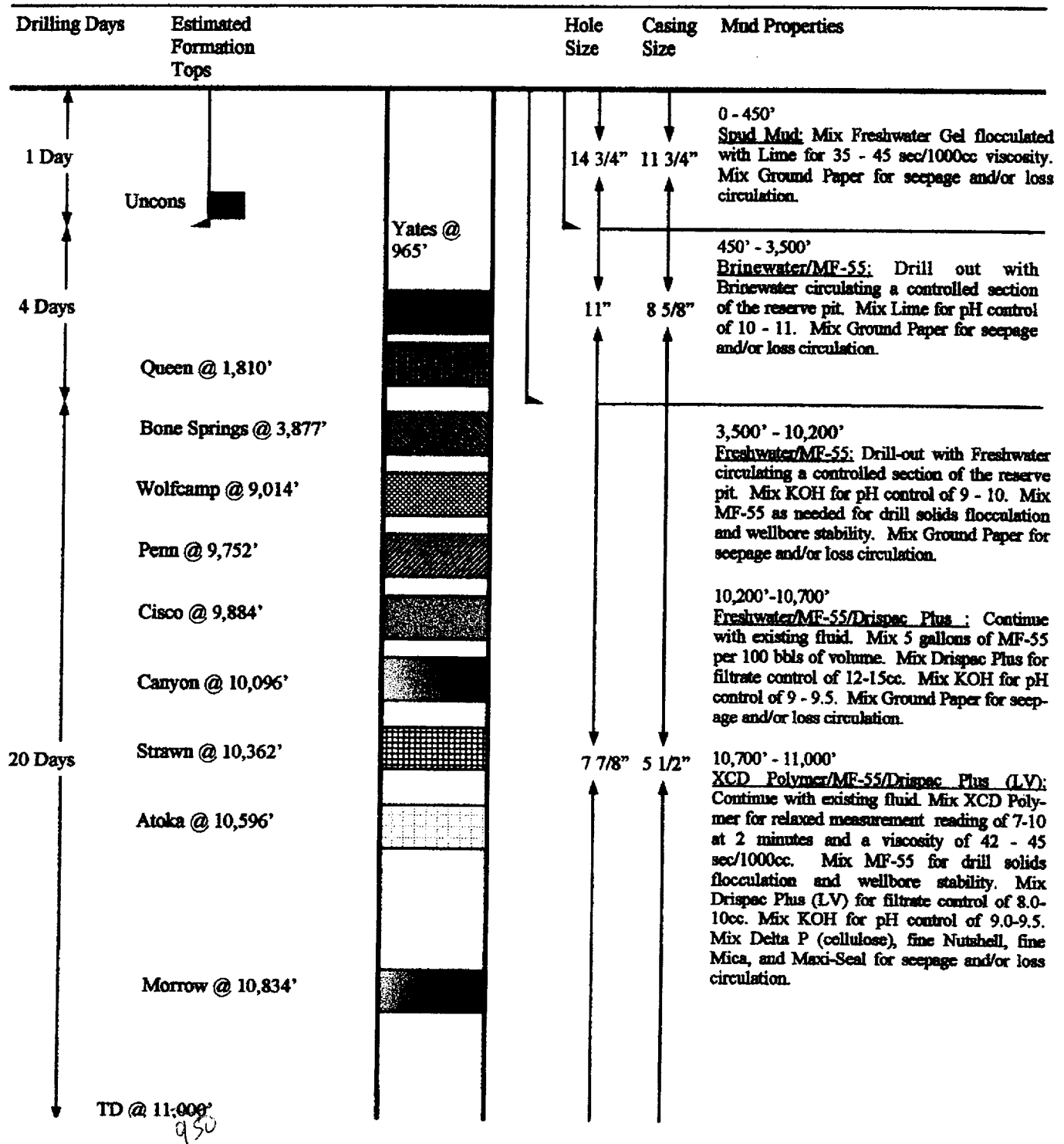
Date

WEST TEXAS DRILLING FLUIDS, INC.

P. O. Box 50727
Midland, Texas 79710-0727

915-682-8382
FAX 915-682-5925

EOG RESOURCES, INC.
Oreo "25" Fed Com #1
Sec 25, T-18-S, R-29-E
Eddy County, New Mexico
Drilling Summary Diagram



SCANNED

Well Name and Number: Oreo 25 Federal Com #1

Location: Sec. 25, T18S, R29E, Eddy County, NM

Operator: EOG Resources, Inc.

Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth		Degrees @ Depth		Degrees @ Depth	
1/2	250	2	6642	8 3/4	9477
1	450	2	6768	9 1/2	9731
3/4	688	3	6928	8 3/4	9922
1 1/2	1200	2 1/2	7056	10 1/2	10079
1	1678	2.2	7568	11	10240
3/4	1995	3.2	7694	13	10494
1 1/4	2978	3.3	7758	10 3/4	10754
1 1/4	3424	4	7886	12	10978
1	3922	4.5	7948	12	11110
2	4428	6.4	8107	12 1/2	11203
2 1/4	4650	6.7	8171	12	11268
1 1/4	4744	8.2	8298	4 1/2	11633
1	4934	8 3/4	8368	3 1/2	11728
1	5124	10 1/2	8621	2 1/2	11863
1/2	5600	9 3/4	8695		
1/4	5928	10	8844		
1 1/4	6421	10 3/4	9065		
2	6516	10 1/2	9129		

Drilling Contractor: McVay Drilling Company

By: Jim Henry

Subscribed and sworn to before me this 8th day of August, 2001

Jim Henry
Notary Public

My Commission Expires: 8-16-05

Lea County, New Mexico

FOG RESOURCES

Job Number: MDD0701GMW286

MEASURED IN C.L.	DEPTH	deg.	deg.	VERTICAL SECTION	DOGLEG SEVERITY	VERTICAL DEPTH	CLOSURE DIST.	VERTICAL DEPTH	HORIZONTAL COORDINATES
feet				feet	deg./100 ft.	feet	feet	feet	feet
6400.0	1.46	278.94	10.5	0.45	6398.5	91.0	6.6	90.35N	10.48E
6600.0	2.19	266.73	4.2	0.41	6598.4	90.6	2.6	90.52N	4.17E
6800.0	2.51	262.22	-4.0	0.19	6798.2	89.8	357.5	89.71N	3.98W
7000.0	2.51	246.04	-12.3	0.35	6998.0	88.2	352.0	87.34N	12.33W
7115.0	2.00	251.73	-16.5	0.49	7112.9	87.3	349.1	85.69N	16.54W

Final Station Closure: **Distance:** 87.27 ft **Az:** 349.08 deg.

A Gyrodata Directional Survey

for

EOG RESOURCES

Location: McVEY #10, EDDY COUNTY, N.M.
Well: OREO "25" #1, 4-1/2" DRILLPIPE

Job Number: MD0701GMW286

Run Date: 7/17/01 3:04:39 PM

Surveyor: MIKE SHEPHERD

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.716730 deg. N

Azimuth Correction:

Gyro: Bearings are Relative to True North

Proposed Well Direction: 90.000 deg

Vertical Section Calculated from Well Head Location

A Gyrodata Directional Survey

EOG RESOURCES

Well: OREO "25" #1, 4-1/2" DRILLPIPE

Location: McVEY #10, EDDY COUNTY, N.M.

Job Number: MD0701GMW286

MEASURED IN CL	DEPTH	DEG.	DEG.	SECTION	DOGLEG	VERTICAL	CLOSURE	HORIZONTAL
	feet			feet	SEVERITY	feet	DIST. AZIMUTH	COORDINATES
					deg./		feet deg.	feet
					100 ft.			

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

SZENASY

5053903065

07/15/2001 10:57

A Gyrodala Directional Survey

EOG RESOURCES

Well: OKEO "25" #1, 4-1/2" DRILLPIPE

Location: McVEY #10, EDDY COUNTY, N.M.

Job Number: MD0701GMMW286

MEASURED INCL	DEPTH	deg.	deg.	VERTICAL SECTION	DOGLEG SEVERITY	VERTICAL DEPTH	CLOSURE	HORIZONTAL COORDINATES
feet	feet			feet	deg./100 ft.	feet	feet deg.	feet
0.0	0.00		0.00	0.0	0.00	0.0	0.0	0.00 N 0.00 E
1.0 (Beta 1.5)								

RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2" DRILLPIPE
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO McVEY #10 R.K.B.

2000.0	1.27	24.49	0.9	0.63	200.0	2.2	24.5	2.01 N 0.92 E
400.0	0.98	57.36	3.3	0.35	399.9	5.9	33.5	4.95 N 3.28 E
600.0	1.00	58.69	6.2	0.01	599.9	9.2	42.5	6.78 N 6.22 E
800.0	1.56	62.68	10.1	0.28	799.9	13.5	48.6	8.94 N 10.13 E
1000.0	2.30	62.58	16.1	0.37	999.8	20.1	53.2	12.04 N 16.11 E
1200.0	2.21	61.50	23.1	0.05	1199.6	27.9	55.7	15.73 N 23.06 E
1400.0	1.68	53.79	28.8	0.30	1399.5	34.7	56.2	19.29 N 28.81 E
1600.0	1.29	46.93	32.8	0.21	1599.4	39.8	55.5	22.57 N 32.82 E
1800.0	1.24	43.87	36.0	0.04	1799.4	44.2	54.5	25.67 N 35.97 E
2000.0	1.19	43.26	38.9	0.02	1999.3	48.4	53.5	28.75 N 38.90 E
2200.0	1.03	39.61	41.5	0.09	2199.3	52.2	52.7	31.65 N 41.48 E
2400.0	0.89	26.19	43.3	0.13	2399.3	55.3	51.5	34.42 N 43.30 E
2600.0	0.85	14.10	44.3	0.09	2599.2	57.9	50.0	37.25 N 44.35 E

A Gyrodata Directional Survey

EOG RESOURCES

Well: ORBO "25" #1, 4-1/2" DRILLPIPE

Location: McVEY #10, EDDY COUNTY, N.M.

Job Number: MD0701GMW286

MEASURED IN CL DEPTH feet	IN CL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg/ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet
2800.0	0.92	4.91	44.8	0.08	2799.2	60.3	48.1	40.29N 44.85E
3000.0	1.05	2.01	45.0	0.07	2999.2	62.8	45.9	43.71N 45.05E
3200.0	1.01	348.20	44.8	0.12	3199.1	65.1	43.4	47.27N 44.75E
3400.0	1.14	337.73	43.6	0.12	3399.1	67.0	40.6	50.85N 43.63E
3600.0	1.53	341.35	42.0	0.20	3599.1	69.4	37.3	55.22N 42.02E
3800.0	1.79	339.18	40.1	0.14	3799.0	72.7	33.4	60.67N 40.06E
4000.0	1.60	338.04	37.9	0.10	3998.9	76.3	29.8	66.18N 37.90E
4200.0	1.68	324.20	35.1	0.20	4198.8	79.4	26.3	71.15N 35.14E
4400.0	1.86	312.92	31.0	0.20	4398.7	81.9	22.3	75.75N 31.04E
4600.0	1.46	310.09	26.7	0.21	4598.6	84.0	18.5	79.61N 26.70E
4800.0	0.99	309.05	23.4	0.23	4798.6	85.6	15.9	82.35N 23.41E
5000.0	1.07	303.88	20.5	0.06	4998.5	86.9	13.6	84.48N 20.51E
5200.0	0.97	305.80	17.6	0.05	5198.5	88.3	11.5	86.51N 17.59E
5400.0	0.37	315.70	15.8	0.31	5398.5	89.4	10.2	87.95N 15.77E
5600.0	0.19	260.92	15.0	0.15	5598.5	89.6	9.6	88.36N 15.00E
5800.0	0.15	289.00	14.4	0.05	5798.5	89.6	9.3	88.39N 14.41E
6000.0	0.27	52.52	14.5	0.19	5998.5	89.9	9.3	88.76N 14.53E
6200.0	0.60	295.42	13.9	0.38	6198.5	90.6	8.9	89.50N 13.95E



Gyrodata Incorporated
3811 S. Co. Rd. 1285
Odessa, TX. 79765

915/561-8458
Fax: 915/563-7982

SURVEY REPORT
EOG RESOURCES
OREO "25" #1
MCVAY #10
EDDY COUNTY, NEW MEXICO
MD0701GMW286

JULY 23, 2001

 **ORIGINAL**



Gyrodata Incorporated
3811 S. Co. Rd. 1285
Odessa, TX. 79765

915/561-8458
Fax: 915/563-7982

July 30, 2001

Attn: Drilling Department
EOG Resources
P.O. Box 2267
Midland, Texas 79702

Re: **Oreo "25" #1**
Eddy County, New Mexico

Enclosed, please find one (1) original, four (4) copies, and one (1) disk of the completed survey of the above referenced well.

We would like to take this opportunity to thank you for using Gyrodata, and we look forward to serving you in the future.

Sincerely,

A handwritten signature in cursive script, reading "J. Ruben Clemence".

J. Ruben Clemence
Operations Manager

RW:jt

A Gyrodata Directional Survey

for

EOG RESOURCES

Location: McVEY #10, EDDY COUNTY, N.M.
Well: OREO "25" #1, 4-1/2" DRILLPIPE

Job Number: MD0701GMW286

Run Date: 7/31/01 1:50:26 PM

Surveyor: Mike Shepherd

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.716730 deg. N

Azimuth Correction:

Gyro: Bearings are Relative to True North

Proposed Well Direction: 90.000 deg

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

A Gyrodata Directional Survey

EOG RESOURCES

Well: OREO "25" #1, 4-1/2" DRILLPIPE

Location: McVEY #10, EDDY COUNTY, N.M.

Job Number: MD0701GMW286

MEASURED DEPTH feet	I N C L deg.	A Z I M U T H deg.	V E R T I C A L SECTION feet	D O G L E G SEVERITY deg/ 100 ft.	V E R T I C A L DEPTH feet	C L O S U R E D I S T. A Z I M U T H feet deg.	H O R I Z O N T A L C O O R D I N A T E S feet
0.0	0.00	0.00	0.0	0.00	0.0	0.0 0.0	0.00 N 0.00 E

0 - 7115 FT RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2" DRILLPIPE ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO McVEY #10 R.K.B.

200.0	1.27	24.49	0.9	0.63	200.0	2.2 24.5	2.01 N 0.92 E
400.0	0.98	57.36	3.3	0.35	399.9	5.9 33.5	4.95 N 3.28 E
600.0	1.00	58.69	6.2	0.01	599.9	9.2 42.5	6.78 N 6.22 E
800.0	1.56	62.68	10.1	0.28	799.9	13.5 48.6	8.94 N 10.13 E
1000.0	2.30	62.58	16.1	0.37	999.8	20.1 53.2	12.04 N 16.11 E
1200.0	2.21	61.50	23.1	0.05	1199.6	27.9 55.7	15.73 N 23.06 E
1400.0	1.68	53.79	28.8	0.30	1399.5	34.7 56.2	19.29 N 28.81 E
1600.0	1.29	46.93	32.8	0.21	1599.4	39.8 55.5	22.57 N 32.82 E
1800.0	1.24	43.87	36.0	0.04	1799.4	44.2 54.5	25.67 N 35.97 E
2000.0	1.19	43.26	38.9	0.02	1999.3	48.4 53.5	28.75 N 38.90 E
2200.0	1.03	39.61	41.5	0.09	2199.3	52.2 52.7	31.65 N 41.48 E
2400.0	0.89	26.19	43.3	0.13	2399.3	55.3 51.5	34.42 N 43.30 E
2600.0	0.85	14.10	44.3	0.09	2599.2	57.9 50.0	37.25 N 44.35 E
2800.0	0.92	4.91	44.8	0.08	2799.2	60.3 48.1	40.29 N 44.85 E
3000.0	1.05	2.01	45.0	0.07	2999.2	62.8 45.9	43.71 N 45.05 E
3200.0	1.01	348.20	44.8	0.12	3199.1	65.1 43.4	47.27 N 44.75 E
3400.0	1.14	337.73	43.6	0.12	3399.1	67.0 40.6	50.85 N 43.63 E
3600.0	1.53	341.35	42.0	0.20	3599.1	69.4 37.3	55.22 N 42.02 E
3800.0	1.79	339.18	40.1	0.14	3799.0	72.7 33.4	60.67 N 40.06 E
4000.0	1.60	338.04	37.9	0.10	3998.9	76.3 29.8	66.18 N 37.90 E

A Gyrodata Directional Survey

EOG RESOURCES

Well: OREO "25" #1, 4-1/2" DRILLPIPE

Location: McVEY #10, EDDY COUNTY, N.M.

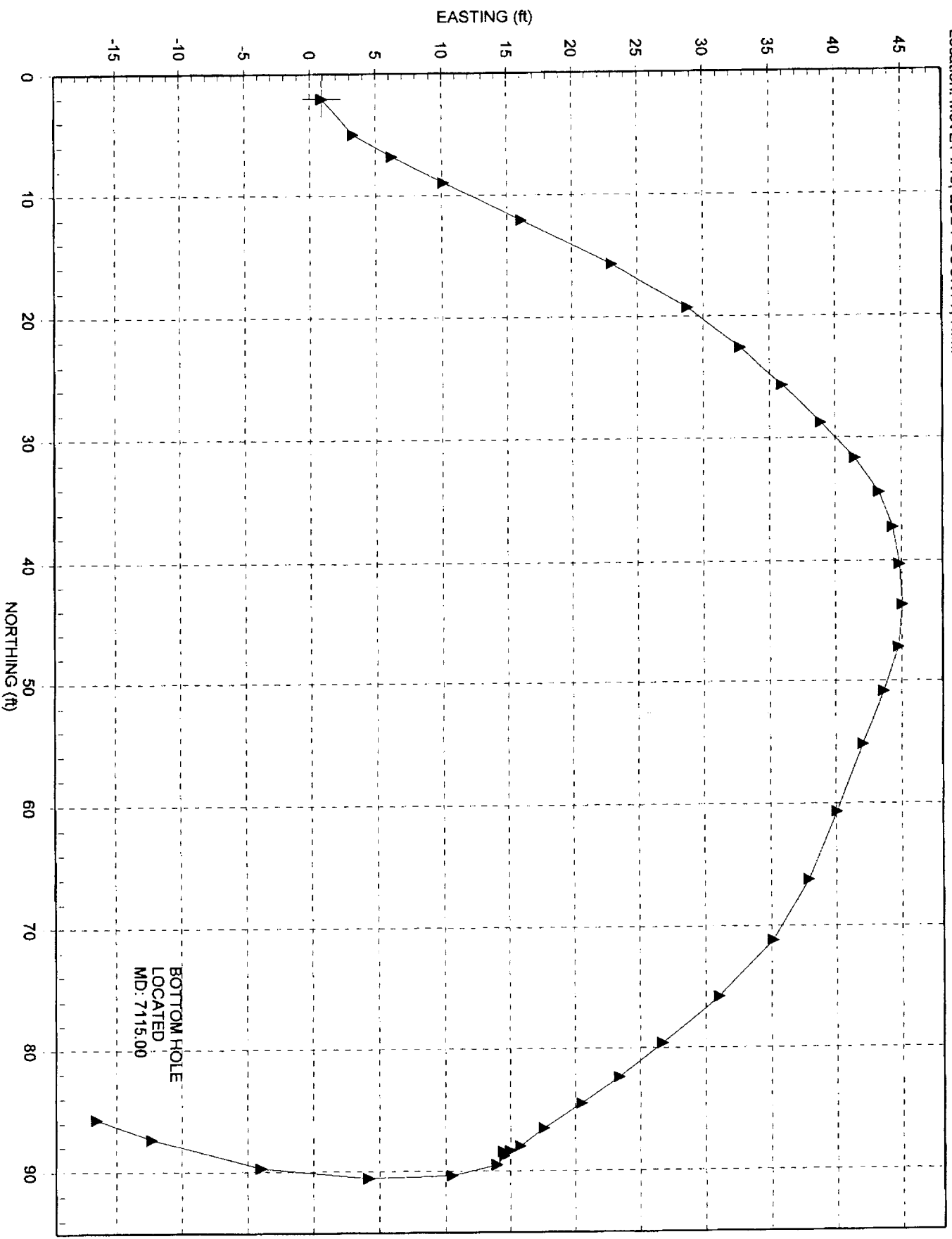
Job Number: MD0701GMW286

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg/ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4200.0	1.68	324.20	35.1	0.20	4198.8	79.4 26.3	71.15 N 35.14 E
4400.0	1.86	312.92	31.0	0.20	4398.7	81.9 22.3	75.75 N 31.04 E
4600.0	1.46	310.09	26.7	0.21	4598.6	84.0 18.5	79.61 N 26.70 E
4800.0	0.99	309.05	23.4	0.23	4798.6	85.6 15.9	82.35 N 23.41 E
5000.0	1.07	303.88	20.5	0.06	4998.5	86.9 13.6	84.48 N 20.51 E
5200.0	0.97	305.80	17.6	0.05	5198.5	88.3 11.5	86.51 N 17.59 E
5400.0	0.37	315.70	15.8	0.31	5398.5	89.4 10.2	87.95 N 15.77 E
5600.0	0.19	260.92	15.0	0.15	5598.5	89.6 9.6	88.36 N 15.00 E
5800.0	0.15	289.00	14.4	0.05	5798.5	89.6 9.3	88.39 N 14.41 E
6000.0	0.27	52.52	14.5	0.19	5998.5	89.9 9.3	88.76 N 14.53 E
6200.0	0.60	295.42	13.9	0.38	6198.5	90.6 8.9	89.50 N 13.95 E
6400.0	1.46	278.94	10.5	0.45	6398.5	91.0 6.6	90.35 N 10.48 E
6600.0	2.19	266.73	4.2	0.41	6598.4	90.6 2.6	90.52 N 4.17 E
6800.0	2.51	262.22	-4.0	0.19	6798.2	89.8 357.5	89.71 N 3.98 W
7000.0	2.51	246.04	-12.3	0.35	6998.0	88.2 352.0	87.34 N 12.33 W
7115.0	2.00	251.73	-16.5	0.49	7112.9	87.3 349.1	85.69 N 16.54 W

Final Station Closure: Distance: 87.27 ft Az: 349.08 deg.

EOG RESOURCES
Well: OREO "25" #1 4-1/2" DRILLPIPE
Location: McVEY #10, EDDY COUNTY, N.M.

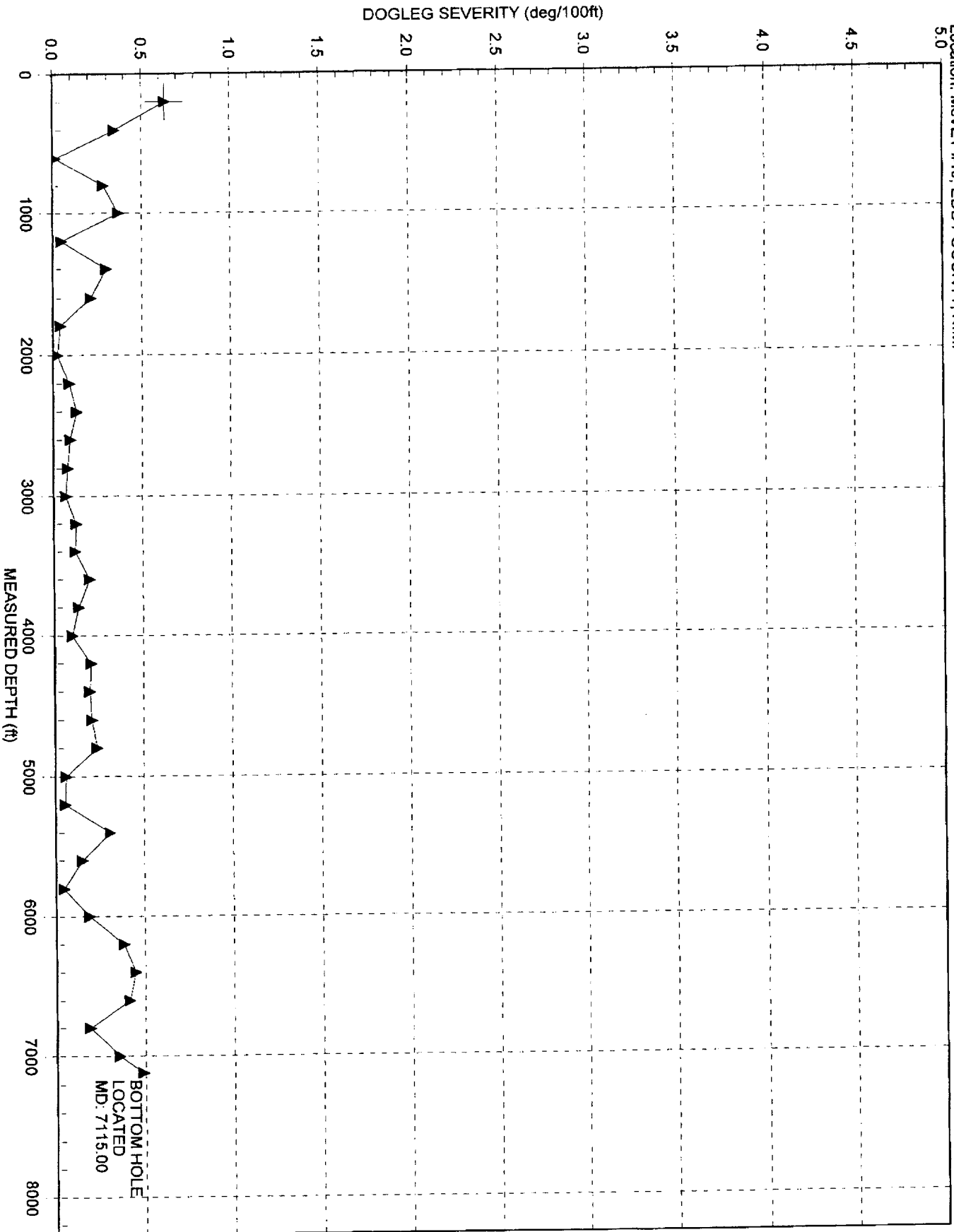
Gyrodatta, Inc.
MD0701GMMW286 DEFINITIVE



BOTTOM HOLE
LOCATED
MD: 7115.00

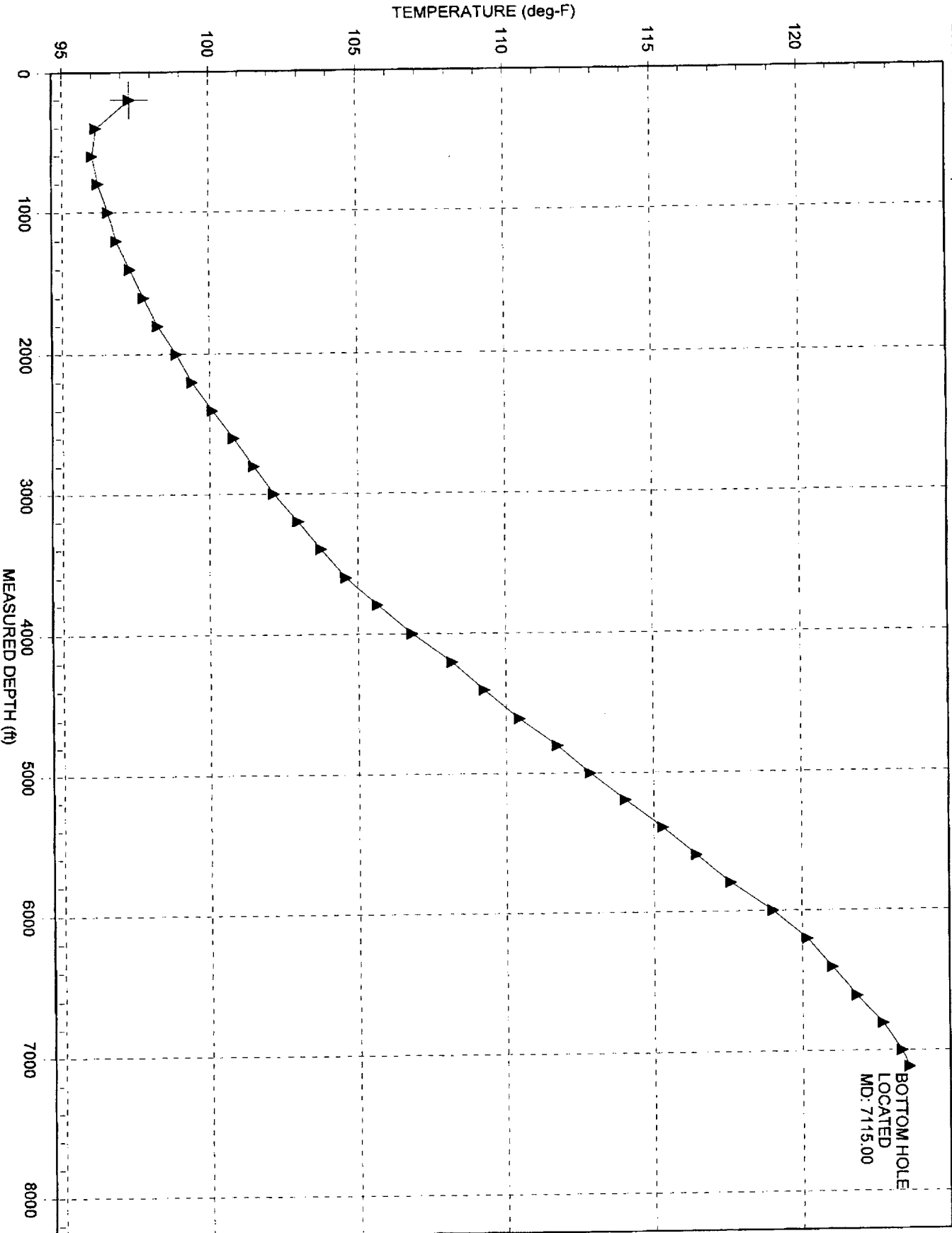
EOG RESOURCES
Well: OREO "25" #1 4-1/2" DRILLPIPE
Location: McVEY #10, EDDY COUNTY, N.M.

Gyrodatta, Inc.
MD0701GMW286 DEFINITIVE



EOG RESOURCES
Well: OREO "25" #1 4-1/2" DRILLPIPE
Location: McVEY #10, EDDY COUNTY, N.M.

Gyrodatta, Inc.
MD0701GMW286 DEFINITIVE



SCANNER

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

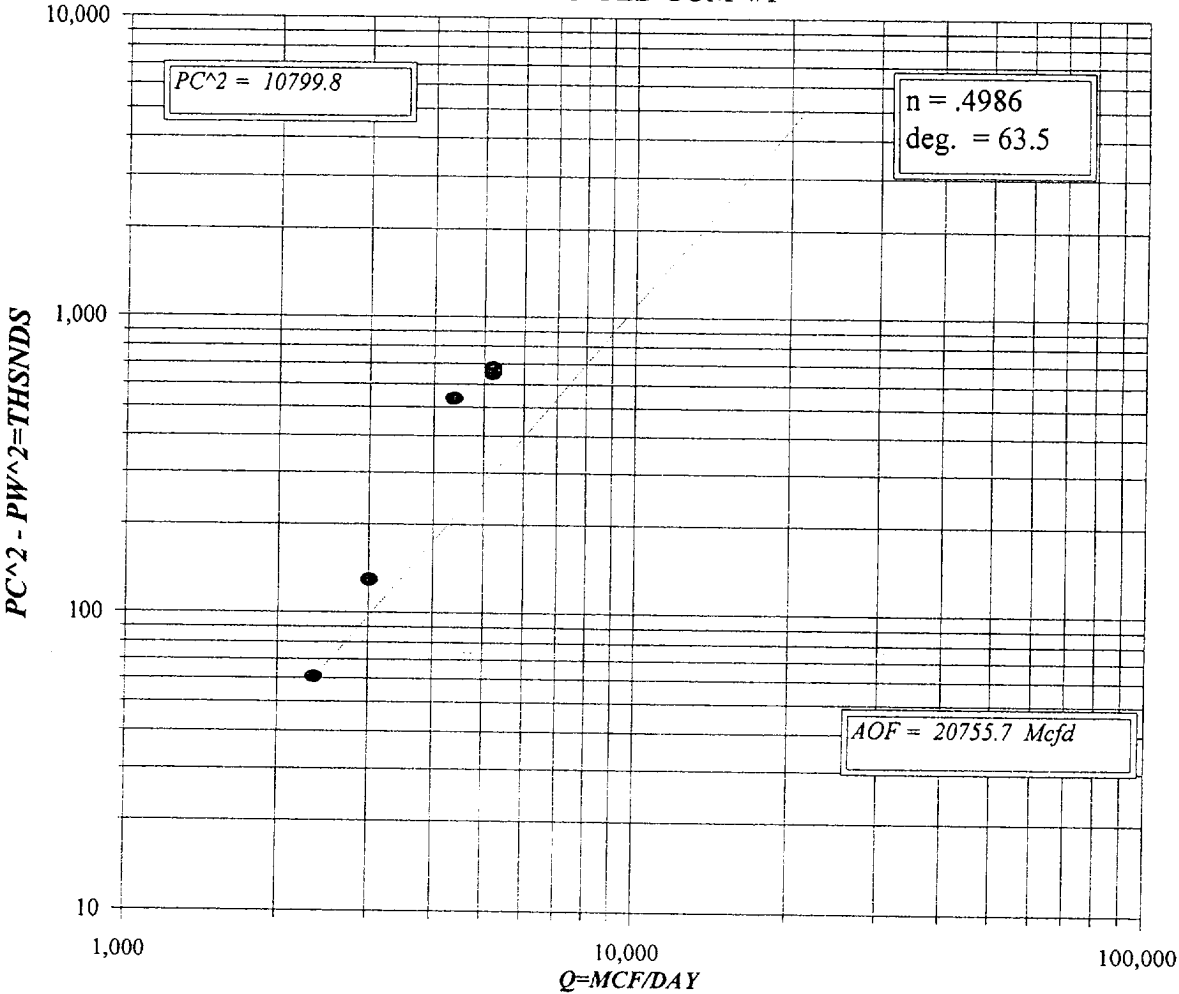
State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator EOG RES				Lease or Unit Name OREO FED COM			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8/16/01	Well No. 1
Completion Date 8/14/01		Total Depth 11950		Plug Back TD 11855		Elevation 3477	Unit Ltr - Sec - TWP - Rge J 25 18 - S 29 - E
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 11950	Perforations: From: 11284 To: 11303		County EDDY	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 11303	Perforations: From: To:		Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11164		Formation MORROW	
Producing Thru TUBBING		Reservoir Temp. °F 172.27	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2		Connection AIR	
L 11293	H 11293	Gg 0.656	%CO ₂ 0.646	%N ₂ 0.597	%H ₂ S N/A	Prover N/A	Meter Run 4.897
Taps FLG							
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI							
1	4.892 X 3.500		375	1.96	88	3120	
2	4.892 X 3.500		405.6	3.06	105	3105	
3	4.892 X 3.500		437.4	5.76	85	2980	
4	4.892 X 3.500		470.4	7.56	83	2945	
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)		$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}
1	68.13		27.6	388.2	0.9741	1.235	1.045
2	68.13		35.8	418.8	0.9594	1.235	1.041
3	68.13		50.9	450.6	0.9768	1.235	1.047
4	68.13		60.5	483.6	0.9786	1.235	1.047
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 623.583 Mcf/bbl.		
1	0.81	548	1.47	0.915	A.P. I. Gravity of Liquid Hydrocarbons 51.4 Deg.		
2	0.83	565	1.52	0.923	Specific Gravity Separator Gas 0.656 XXXXXXXX		
3	0.8	545	1.46	0.912	Specific Gravity Flowing Fluid XXXXXX G.MIX=.661		
4	0.8	543	1.46	0.912	Critical Pressure 673 P.S.I.A. 673 P.S.I.A.		
5					Critical Temperature 371 R. 374 R		
P _c 3286.3 P _{c2} 10799.8							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = \frac{16}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.98$		
1		3277.1	10739.4	60.4			
2		3265.5	10670	129.4			
3		3204.2	10266.9	532.9			
4		3182	10125.1	674.7			
5							
Absolute Open Flow 20755.7 Mcfd @ 15.025				Angle of Slope (°): 63.5		Slope n: 0.4986	
Remarks: * WELL MADE 1 BBL OF 51.4 API GRAVITY CONDENSATE DURING TEST. CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES.							
Approved By Division:		Conducted By: SIGNAL		Calculated By: BM		Checked By: BM	

EOG RES..
OREO FED COM #1



WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURE (Pc or Pw)
FROM KNOWN BOTTOM HOLE PRESSURE (Pf or Ps)

FORM C-122F

COMPANY EOG
UNIT L
LEASE : OREO
SECTION : 11293
H : 11293
CO2 : 0.646
GH : 7408.2
WELL NO. : 1
TWN SHP :
L/H : 1
N2 : 0.597
PCR : 673
DATE 8/16/01
RANGE :
G/GMIX : 0.6560
H2S :
TCR : 374

LINE		1	2	3	4	5	6	7	8
1	TW(W.H. R)	534	534	534	534	534	534	534	534
2	Ts(B.H. R)	646.9	646.9	646.9	646.9	646.9	646.9	646.9	646.9
3	T=(Tw+Ts/2)	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5
4	Z (EST.)	0.951	0.852	0.885	0.849	0.879	0.845	0.877	0.843
5	TZ	562	503	523	501	519	499	518	498
6	GH/TZ	13.193	14.728	14.174	14.776	14.266	14.854	14.299	14.882
7	eS(TABLE XIV)	1.640	1.737	1.702	1.740	1.707	1.745	1.710	1.747
8	Pf or Ps	4319.46	4319.46	4307.89	4307.89	4233.27	4233.27	4206.18	4206.18
9	Pf2 or Ps2	18657.7	18657.7	18557.9	18557.9	17920.6	17920.6	17692.0	17692.0
10	Pc2=Pf/eS or Pw2=Ps2/eS	11376.1	10739.7	10906.5	10663.3	10495.9	10266.9	10349.2	10125.3
11	Pc or Pw	3373	3277	3302	3265	3240	3204	3217	3182
12	P=(Pw+Ps/2)or(Pc+Pf/2)	3846	3798	3805	3787	3737	3719	3712	3694
13	Pr=(P/Pcr)	5.71	5.64	5.65	5.63	5.55	5.53	5.52	5.49
14	Tr(T/Tcr)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
15	Z (TABLE XI)	0.852	0.849	0.849	0.848	0.845	0.844	0.843	0.842

PW 1 : 3277.1 PW 2 : 3265.5 PW 3 : 3204.2 PW 4 3182.8

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURE (P_c ~~or P_w~~)
FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

FORM C-122F

COMPANY EOG
UNIT L
LEASE : OREO
SECTION : 11293
WELL NO. : 1
TWN SHP :
DATE 8/16/01
RANGE :
H : 11293
L/H : 1
G/GMIX : 0.6560
CO₂ : 0.646
N₂ : 0.597
H₂S :
GH : 7408.2
PCR : 673
TCR : 374

LINE		1	2	3	4	5	6	7	8
1	TW(W.H. R)	534	534	534	534	534	534	534	534
2	Ts(B.H. R)	646.9	646.9	646.9	646.9	646.9	646.9	646.9	646.9
3	$T = (T_w + T_s / 2)$	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5
4	Z (EST.)	0.952	0.853	ERR	ERR	ERR	ERR	ERR	ERR
5	TZ	562	503	ERR	ERR	ERR	ERR	ERR	ERR
6	GH/TZ	13.180	14.716	ERR	ERR	ERR	ERR	ERR	ERR
7	eS(TABLE XIV)	1.639	1.736	ERR	ERR	ERR	ERR	ERR	ERR
8	P_f or P_s	4330.58	4330.58	0	0	0	0	0	0
9	P_{f2} or P_{s2}	18753.9	18753.9	0.0	0.0	0.0	0.0	0.0	0.0
10	$P_{c2} = P_f / eS$ or $P_{w2} = P_{s2} / eS$	11440.2	10799.9	ERR	ERR	ERR	ERR	ERR	ERR
11	P_c or P_w	3382	3286	ERR	ERR	ERR	ERR	ERR	ERR
12	$P = (P_w + P_s / 2)$ or $(P_c + P_f / 2)$	3856	3808	ERR	ERR	ERR	ERR	ERR	ERR
13	$P_r = (P / P_{cr})$	5.73	5.66	ERR	ERR	ERR	ERR	ERR	ERR
14	$T_r (T / T_{cr})$	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
15	Z (TABLE XI)	0.853	0.849	ERR	ERR	ERR	ERR	ERR	ERR

P_c ~~P_w~~ 1 : 3286.3 PW 2 : ERR PW 3 : ERR PW 4 :

NEW MEXICO G.O.R./G. MIX

NO. OF BBLS PRODUCED = 1.0

API GRAVITY @ 60 DEG. = 51.4

.....
SPECIFIC GRAVITY OF GAS = 0.6560

XX

TOTAL GAS PRODUCED = 624

G.O.R. = 623.583

G.MIX = 0.661

**Laboratory Services, Inc.**

4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: EOG Resources Inc.
Attention: Mr. Ish Abila
P. O. Box 1195
Kermit, Texas 79745

SAMPLE:
IDENTIFICATION: Orco 25 Fed. Com. #1
COMPANY: EOG Resources Inc.
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 8/15/01 7:00 am
ANALYSIS DATE: 8/16/01
PRESSURE - PSIG 360
SAMPLE TEMP. °F 104
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: D. Bump-Signal
ANALYSIS BY: Vickie Biggs

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H ₂ S)		
Nitrogen (N ₂)	0.597	
Carbon Dioxide (CO ₂)	0.646	
Methane (C ₁)	87.345	
Ethane (C ₂)	6.679	1.782
Propane (C ₃)	2.790	0.767
I-Butane (IC ₄)	0.390	0.127
N-Butane (NC ₄)	0.737	0.232
I-Pentane (IC ₅)	0.198	0.072
N-Pentane (NC ₅)	0.189	0.068
Hexane Plus (C ₆ +) <u>0.429</u>		<u>0.186</u>
	100.000	3.234

BTU/CU.FT. - DRY 1143
AT 14.650 DRY 1140
AT 14.650 WET 1120
AT 14.73 DRY 1146
AT 14.73 WET 1126

MOLECULAR WT. 19.0314

SPECIFIC GRAVITY -
CALCULATED 0.656
MEASURED