

Submit To Appropriate District Office Two Copies 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 and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 July 17, 2008													
		1. WELL API NO. 30-015-37457																	
		2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN																	
		3. State Oil & Gas Lease No																	
WELL COMPLETION OR RECOMPLETION REPORT AND LOG																			
4 Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19 15 17 13.K NMAC)						5 Lease Name or Unit Agreement Name Yale State													
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER						6 Well Number 023													
8 Name of Operator COG OPERATING LLC						9 OGRID 229137													
10. Address of Operator 550 West Texas Ave Suite 100, Midland, Texas 79701						11. Pool name or Wildcat MAR LOCO, GLORIETA-YESO, 97866													
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County									
Surface:	I	2	17S	30E		1650	South	990	East	Eddy									
BH:																			
13 Date Spudded 9/12/11	14. Date T.D. Reached 9/18/11	15. Date Rig Released 9/20/11		16 Date Completed (Ready to Produce) 11/3/11		17. Elevations (DF and RKB, RT, GR, etc) 3767' GR													
18 Total Measured Depth of Well 6224		19 Plug Back Measured Depth 6115		20 Was Directional Survey Made? No		21. Type Electric and Other Logs Run CN/RCL/CCL													
22 Producing Interval(s), of this completion - Top, Bottom, Name Yeso																			
23. CASING RECORD (Report all strings set in well)																			
CASING SIZE	WEIGHT LB /FT		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED										
13-3/8	48		464		17-1/2		1030sx												
8-5/8	24		1390		11		500sx												
5-1/2	17		6216		7-7/8		1700sx												
24. LINER RECORD					25 TUBING RECORD														
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET		PACKER SET											
						2-7/8		5730											
26. Perforation record (interval, size, and number) 4600 - 4850 1 SPF, 26 holes OPEN 4960 - 5210 1 SPF, 26 holes OPEN 5270 - 5520 1 SPF, 26 holes OPEN 5580 - 5830 1 SPF, 26 holes OPEN					27 ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>4600 - 4850</td> <td>See Attachment</td> </tr> <tr> <td>4960 - 5210</td> <td>See Attachment</td> </tr> <tr> <td>5270 - 5520</td> <td>See Attachment</td> </tr> <tr> <td>5580 - 5830</td> <td>See Attachment</td> </tr> </table>					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	4600 - 4850	See Attachment	4960 - 5210	See Attachment	5270 - 5520	See Attachment	5580 - 5830	See Attachment
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4960 - 5210	See Attachment																		
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5580 - 5830	See Attachment																		
28 PRODUCTION																			
Date First Production 11/16/11		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Pumping, 2-1/2" x 2" x 24" pump				Well Status (<i>Prod. or Shut-in</i>) Producing													
Date of Test 11/23/11	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 46	Gas - MCF 69	Water - Bbl 318	Gas - Oil Ratio 1500												
Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (<i>Corr</i>) 37.6													
29 Disposition of Gas (<i>Sold, used for fuel, vented, etc</i>) Sold						30 Test Witnessed By Kent Greenway													
31 List Attachments Logs, C102, C103, Deviation Report, C104																			
32 If a temporary pit was used at the well, attach a plat with the location of the temporary pit																			
33. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude Longitude NAD 1927 1983																			
<i>I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief</i>																			
Signature		Printed Name		Title		Date													
		Chasity Jackson		Regulatory Analyst		11/28/11													
E-mail Address		cjackson@concho.com																	

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 1499	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 2412	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 4490	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T. Yeso 4600	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

WELL NAME AND NUMBER Yale State No. 23

LOCATION Section 2, T17S, R30E, Lot 1, 1650 FSL, 990 FEL, Eddy County

OPERATOR COG Operating LLC

DRILLING CONTRACTOR United Drilling, Inc.

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

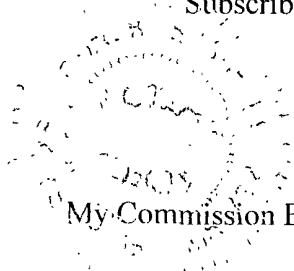
Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
.31° @ 141'		
.62° @ 232'		
1.04° @ 385'		
.79° @ 943'		
1.8° @ 1347'		
.98° @ 1800'		
.78° @ 2306'		
.51° @ 2844'		
.37° @ 3318'		
.26° @ 3920'		
.65° @ 4458'		
.61° @ 4933'		
.52° @ 5439'		
.34° @ 5945'		
.75° @ 6149'		

Drilling Contractor- UNITED DRILLING, INC.

By: Luisa Noriega
(Luisa Noriega)

Title: Asst. Office Manager

Subscribed and sworn to before me this 23rd day of September, 2011.



My Commission Expires: 10/8/12

Carline Martin
Notary Public
Chaves New Mexico
County State

Yale State #23
API#: 30-015-37457
EDDY, NM

C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4600 - 4850	Acidized w/3,000 gals 15% acid.
	Frac w/120,183 gals gel, 117,764# 16/30 white
	sand, 39,214# 16/30 siberprop.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4960 - 5210	Acidized w/3,500 gals 15% acid.
	Frac w/125,693 gals gel, 147,636# 16/30 brown
	sand, 30,271# 16/30 CRC.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5270 - 5520	Acidized w/3,500 gals 15% acid.
	Frac w/126,583 gals gel, 152,743# 16/30 brown
	sand, 31,223# 16/30 CRC.

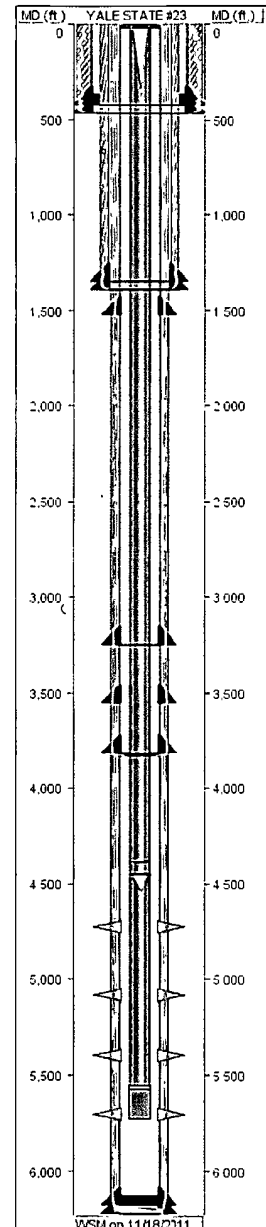
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5580 - 5830	Acidized w/2,500 gals 15% acid.
	Frac w/126,268 gals gel, 149,753# 16/30 white
	sand, 32,612# 16/30 siberprop.

Well ID: 30-015-37457

Well Name: YALE STATE #23

Event#: 3.00

Report Dates: 11/18/2011

**PIPE SPECIFICATION**

STRING NAME	SECTION NAME	JOINT COUNT	START DEPTH	END DEPTH	LENGTH	OD SIZE	ID SIZE	WT GRDNT	GRD	CONN
SURFACE	GUIDE SHOE		463.00	464.00	1.00	13.38				STC
SURFACE	CASING	1	420.61	463.00	42.39	13.38	12.71	48.0	H40	STC
SURFACE	FLOAT COLLAR		419.61	420.61	1.00	13.38				STC
SURFACE	CASING	10	-2.58	419.61	422.19	13.38	12.71	48.0	H40	STC
PRODUCTION	FLOAT SHOE		6214.55	6216.00	1.45	5.50				LTC
PRODUCTION	CASING	1	6170.39	6214.55	44.16	5.50	4.89	17.0	J55	LTC
PRODUCTION	FLOAT COLLAR		6169.14	6170.39	1.25	5.50				LTC
PRODUCTION	CASING	53	3829.28	6169.14	2339.86	5.50	4.89	17.0	J55	LTC
PRODUCTION	MARKER JOINT	1	3814.63	3829.28	14.65	5.50	4.89	17.0	J55	LTC
PRODUCTION	CASING	6	3549.74	3814.63	264.89	5.50	4.89	17.0	J55	LTC
PRODUCTION	BOND COAT	7	3248.28	3549.74	301.46	5.50	4.89	17.0	J55	LTC
PRODUCTION	DV TOOL		3246.13	3248.28	2.15	5.50	4.89	17.0	J55	LTC
PRODUCTION	BOND COAT	41	1519.54	3246.13	1726.59	5.50	4.89	17.0	J55	LTC
PRODUCTION	CASING	34	18.46	1519.54	1501.08	5.50	4.89	17.0	J55	LTC
PRODUCTION	LANDING COLLAR		-3.79	18.46	22.25	5.50	4.89	17.0	J55	LTC
TUBING	BULL PLUG		5729.57	5730.37	0.80					
TUBING	MUD ANCHOR	1	5573.08	5729.57	156.49	2.88	2.44	6.5	J-55	
TUBING	DESANDER		5553.78	5573.08	19.30	2.88	2.44	6.5	J-55	
TUBING	SEAT NIPPLE		5552.68	5553.78	1.10	2.88	2.44	6.5	J-55	
TUBING	TUBING	1	4449.17	5552.68	1103.51	2.88	2.44	6.5	J-55	
TUBING	TUBING ANCHOR		4446.37	4449.17	2.80	2.88	2.44	6.5	J-55	
TUBING	TUBING	1	4383.37	4446.37	63.00	2.88	2.44	6.5	J-55	
TUBING	PUP JOINT		4381.37	4383.37	2.00	2.88	2.44	6.5	J-55	
TUBING	TUBING	1	0.00	4381.37	4381.37	2.88	2.44	6.5	J-55	
INTERMEDIATE	GUIDE SHOE		1388.88	1390.00	1.12	8.63				STC
INTERMEDIATE	CASING	1	1346.73	1388.88	42.15	8.63	8.10	24.0	J55	STC
INTERMEDIATE	FLOAT COLLAR		1345.59	1346.73	1.14	8.63				STC
INTERMEDIATE	CASING	32	-3.08	1345.59	1348.67	8.63	8.10	24.0	J55	STC

CEMENTING

STRING NAME	STAGE #	LEAD TOP (est) (ft)	LEAD TOP (ver) (ft)	TAIL TOP (est) (ft)	TAIL TOP (ver) (ft)
SURFACE	1	150.0	61.0		
SURFACE	2				
PRODUCTION	1				
PRODUCTION	2	0.0	0.0		
INTERMEDIATE	1	0.0	0.0		

BHA STRING

DRILL EQUIP CODE	DESCRIPTION	LENGTH	OD SIZE	ID SIZE
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Well ID: 30-015-37457**Well Name:** YALE STATE #23**Event#:** 3.00**Report Dates:** 11/18/2011**PERFORATION**

ZONE	JOB REPORT DATE	ZONE NAME	TOP DEPTH	BOTTOM DEPTH	HOLE SIZE	PEN SIZE	SQUEEZED
1	10/27/2011	LOWER BLINBRY	5580.00	5830.00	0.21	12.00	N
2	10/28/2011	MIDDLE BLINBRY	5270.00	5520.00	0.21	12.00	N
3	10/28/2011	UPPER BLINBRY	4960.00	5210.00	0.21	12.00	N
4	10/28/2011	PADDOCK	4600.00	4850.00	0.21	12.00	N