

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 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 Revised June 10, 2003	
				WELL API NO. 30-015-36094	
				5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
				State Oil & Gas Lease No.	
WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
1a Type of Well. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____				7. Lease Name or Unit Agreement Name Harper State	
b Type of Completion NEW <input checked="" type="checkbox"/> WORK <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF WELL OVER BACK RESVR <input type="checkbox"/> OTHER					
2 Name of Operator COG Operating LLC				8 Well No 015	
3 Address of Operator 550 W. Texas Ave., Suite 1300 Midland, TX 79701				9 Pool name or Wildcat Loco Hills; Glorieta Yeso 96718	
4 Well Location Unit Letter K 1650 Feet From The South Line and 2310 Feet From The West Line Section 16 Township 17S Range 30E NMPM Eddy County					
10 Date Spudded 03/27/08	11 Date T D Reached 04/08/08	12 Date Compl. (Ready to Prod) 04/25/08	13 Elevations (DF& RKB, RT, GR, etc) 3659	14. Elev Casinghead	
15 Total Depth 6021	16 Plug Back T D 5910	17 If Multiple Compl How Many Zones?	18 Intervals Drilled By	Rotary Tools X	Cable Tools
19 Producing Interval(s), of this completion - Top, Bottom, Name 4920 - 5670 Yeso				20 Was Directional Survey Made No	
21 Type Electric and Other Logs Run CN / HNGS, Micro CFL / HNGS			22 Was Well Cored No		
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	40	246	17 1/2	1089 sx C	Circ 20
8 5/8	32	1255	12 1/4	1197 sx C	Circ 20
5 1/2	17	6020	7-7/8	1100 sx C	Circ 161
24. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
25. TUBING RECORD					
SIZE	DEPTH SET	PACKER SET			
2-7/8	4806				
26 Perforation record (interval, size, and number)			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.		
4920 - 5120 - 2 SPF, 36 holes OPEN			DEPTH INTERVAL		
5200 - 5400 - 1 SPF, 36 holes OPEN			AMOUNT AND KIND MATERIAL USED		
5470 - 5670 - 2 SPF, 48 holes OPEN			4920 - 5120 See attachment		
			5200 - 5400 See attachment		
			5470 - 5670 See attachment		
28. PRODUCTION					
Date First Production 04/28/08		Production Method (Flowing, gas lift, pumping - Size and type pump) 2-1/2 x 2 x 20' RHTC pump		Well Status (Prod. or Shut-in) Producing	
Date of Test 05/02/08	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 85	Gas - MCF 142
				Water - Bbl. 153	Gas - Oil Ratio 1670
Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl.
					Oil Gravity - API - (Corr) 37.7
29 Disposition of Gas (Sold, used for fuel, vented, etc) Sold					Test Witnessed By Kent Greenway
30 List Attachments Logs, C103, Deviation Report, C104					
31 I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief					
Signature		Printed Name Kanicia Carrillo		Title Regulatory Analyst	Date 06/02/08
E-mail Address kcarrillo@conchoresources.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. It 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 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

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. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates 1180	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers 1480	T. Devonian	T. Menefee	T. Madison
T. Queen 2090	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres 2800	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb 5790	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Spring	T. Entrada	T.
T. Abo	T. <u>Morrow</u>	T. Wingate	T.
T. Wolfcamp	T. <u>Yeso</u> 4340	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 3, from.....to.....

No. 2, 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

HARPER STATE #15
API#: 30-015-36094
EDDY, NM

C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4920 - 5120	Acidize w/ 2,500 gals 15% HCL acid.
	Frac w/ 62,238 gals gel,20,100# SiberProp,
	58,455# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5200 - 5400	Acidize w/ 3,500 gals 15% HCL acid.
	Frac w/ 65,570 gals gel,25,876# SiberProp,
	71,206# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5470 - 5670	Acidize w/ 2,500 gals 15% HCL acid.
	Frac w/ 63,042 gals gel,28,585# SiberProp,
	69,693# 16/30 sand.

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., 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 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
 Permit 67866

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-36094	2. Pool Code 96718	3. Pool Name LOCO HILLS; GLORIETA-YESO
4. Property Code 302502	5. Property Name HARPER STATE	6. Well No. 015
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3659

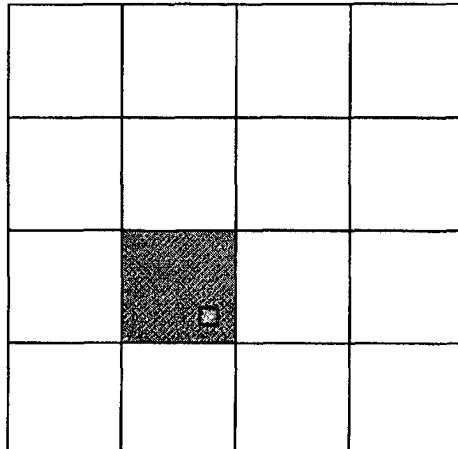
10. Surface Location

UL - Lot K	Section 16	Township 17S	Range 30E	Lot Idn	Feet From 1650	N/S Line S	Feet From 2310	E/W Line W	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00	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

**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(s) 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.

E-Signed By: Diane Kuykendall

Title: Regulatory Analyst

Date: 2/6/2008

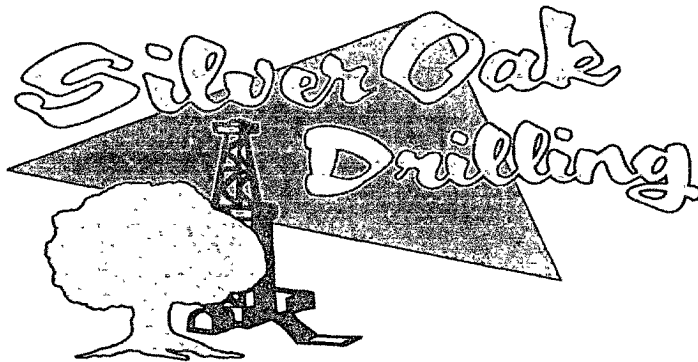
SURVEYOR CERTIFICATION

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.

Surveyed By: Ronald Eidson

Date of Survey: 1/28/2008

Certificate Number: 3239



PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

April 15, 2008

COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

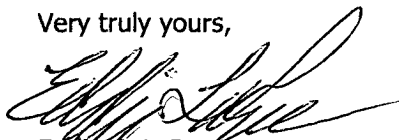
RE: Harper State #15
1650' FSL & 2310' FWL
Sec. 16, T17S, R30E
Eddy County, New Mexico

Dear Sir,

The following is the Deviation Survey for the above captioned well.

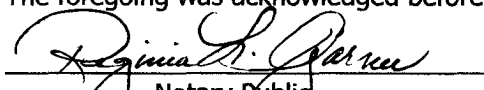
<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
441.00	0.75	3513.00	0.75
1216.00	1.00	3868.00	0.75
1605.00	0.75	4213.00	0.75
1892.00	0.75	4650.00	0.75
2210.00	0.75	5008.00	0.50
2527.00	0.50	5421.00	1.00
2915.00	0.50	5707.00	1.00
3227.00	0.25	6021.00	0.50

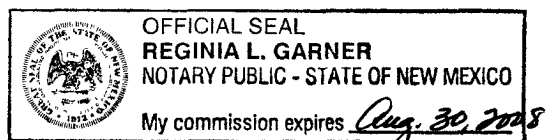
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 15th day of April, 2008.


Regina L. Garner
Notary Public



Keltic Services, Inc
Box 1857
Artesia, NM
88211

505 748 3759

Temperature Survey

Company	COG OPERATING	Date	03/31/08
Well	HARPER STATE #15	Time Plug Down	300 hrs
		Time Start Survey	900 hrs
		Time End Survey	1000 hrs
Casing String	SURFACE	Depth Reached	1133 ft
Cement Top	720 ft.		
Gauge	205		
Operator:	Julian	Witness:	KENNETH PERRY

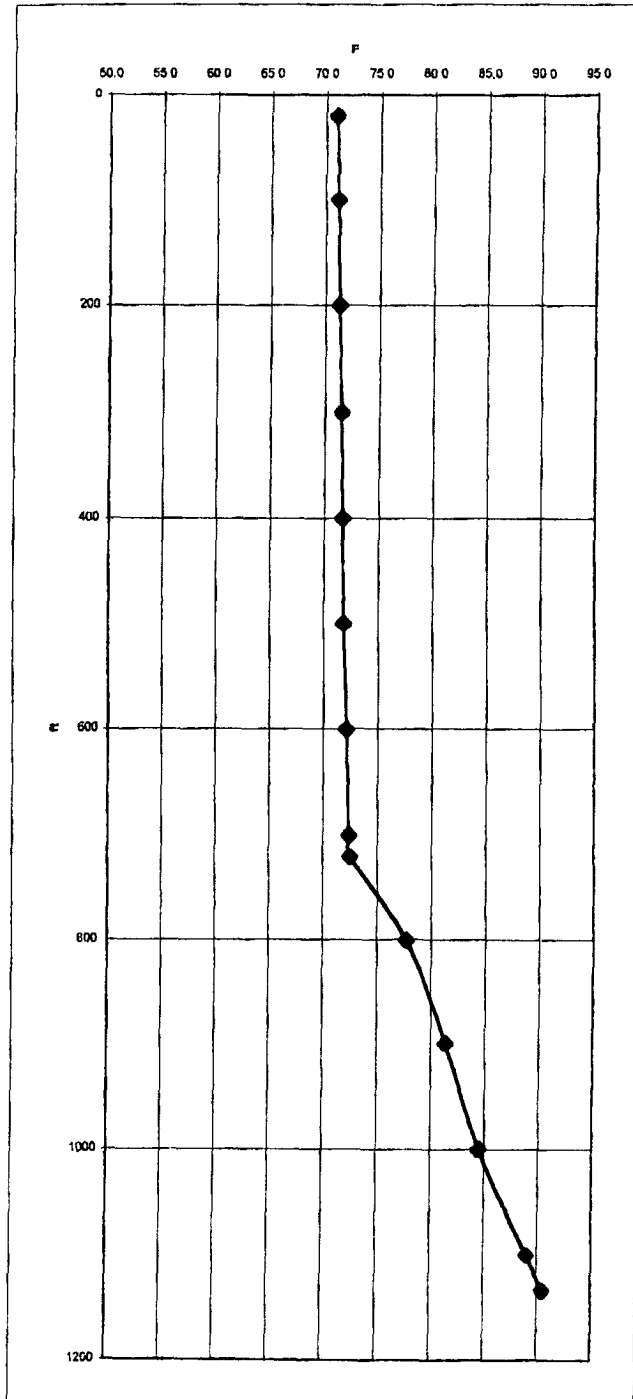
Keltic Services Inc
Temperature Survey

Company COG OPERATING
Well HARPER STATE #15

Date 3/31/08
Plug Down 26-Oct hrs
Survey Start 900 hrs
Operator Julian

Cement Top 720 ft

Depth ft	Temp. °F	Comments
20	71.0	
100	71.2	
200	71.3	
300	71.5	
400	71.7	
500	71.8	
600	72.1	
700	72.4	
720	72.5	CT
800	77.8	
900	81.4	
1000	84.5	
1100	89.0	
1133	90.5	



Keltic Services, Inc
Box 1857
Artesia, NM
88211

505 748 3759

Temperature Survey

Company	COG OPERATING	Date	03/28/08
Well	HARPER STATE #15	Time Plug Down	1400 hrs
		Time Start Survey	2000 hrs
		Time End Survey	2030 hrs
Casing String	SURFACE	Depth Reached	204 ft
Cement Top	165 ft.		
Gauge	205		
Operator:	Julian	Witness:	KENNETH PERRY

Keltic Services Inc
Temperature Survey

Company COG OPERATING
Well HARPER STATE #15

Cement Top 165 ft

Date 3/28/08
Plug Down 1400 hrs
Survey Start 2000 hrs
Operator Julian

Depth ft	Temp. °F	Comments
20	68.1	
50	68.2	
100	68.5	
150	68.7	
165	69.1	CT
200	72.2	
204	72.7	

