

30-015-34868-00-00

HARPER STATE No. 007

Company Name: COG OPERATING LLC**Location:** Sec: 16 T: 17S R: 30E Spot:

Lat: 32.8300555232275 Long: -103.978051435078

Property Name: HARPER STATE**County Name:** Eddy**String Information****Cement Information****Perforation Information**

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Sqz
99999	99999			

Formation Information

St Code	Formation	Depth
Prust	Rustler	255
Psal	Salado	600
Pbslt	Base of Salt	1023
Pyts	Yates	1206
Psr	Seven Rivers	1470
Psrbs	Bowers Sand	1870
Pqu	Queen	2085
Pgb	Grayburg	2454
Psa	San Andres	2802
Plvsd	Lovington Sand	2903
Pgl	Glorieta	4232

Hole: Unknown

TD:

TVD: 0

PBTD:

HARPER STATE #1
API#: 30-015-34868
EDDY, NM

C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4,833' - 4,987.5'	Acidize w/ 2500 gals acid.
4,833' - 4,987.5'	8013# LiteProp , 74,960# 16/30 sand,
4,833' - 4,987.5'	& 96,938# 30# & 40# gel.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5,084' - 5,280'	Acidize w/ 2500 gals acid.
5,084' - 5,280'	Frac w/8000# LiteProp, 88,500# 16/30 sd,
5,084' - 5,280'	& 57,000 gals 30# & 40# gel.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5,418' - 5,733.5'	Acidize w/ 3000 gals acid.
5,418' - 5,733.5'	Frac w/ 96,138 gals gel,
5,418' - 5,733.5'	8012# LiteProp, 90,600# 16/30 sand.