

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
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-103
August 1, 2011

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-28356
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator COG Operating LLC		6. State Oil & Gas Lease No.
3. Address of Operator 600 W. Illinois, Midland, TX 79701		7. Lease Name or Unit Agreement Name GR 30 State
4. Well Location Unit Letter C : 330 feet from the N line and 1980 feet from the W line Section 30 Township 23S Range 30E NMPM County Eddy		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 229137
		10. Pool name or Wildcat C

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. Set 5 1/2 CIBP @ 5600', circulate hole w/ MLF. Spot 25 sx @ 5600-5500. - WOE & TAG
2. Perf & Sqz 45 sx @ 4250-4090. - WOE & TAG
3. Cut & POH 5 1/2 @ +/- 3100. - ADD PLUG @ 3393 - PERF & SQ - WOE & TAG (COVERS DELAWARE)
4. Spot 45 sx @ 3150 - 3000 stub and shoe plug - WOE & TAG
5. Spot 1000 sx @ 3050-300. (may be in stages)
6. Spot 45 sx @ 100-0
7. cut off wellhead and weld on Dry Hole Marker.

Spud Date:

Rig Release Date:

WELL MUST BE PLUGGED BY 7/25/18

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Ben Montgomery

TITLE

Agent

DATE

7-20-17

Type or print name

Ben Montgomery

E-mail address:

ben@benmontgomery.com

PHONE:

432-580-7161

For State Use Only

APPROVED BY:

Robert J. Byrd

TITLE

COMPLIANCE OFFICER

DATE

7/25/17

Conditions of Approval (if any):

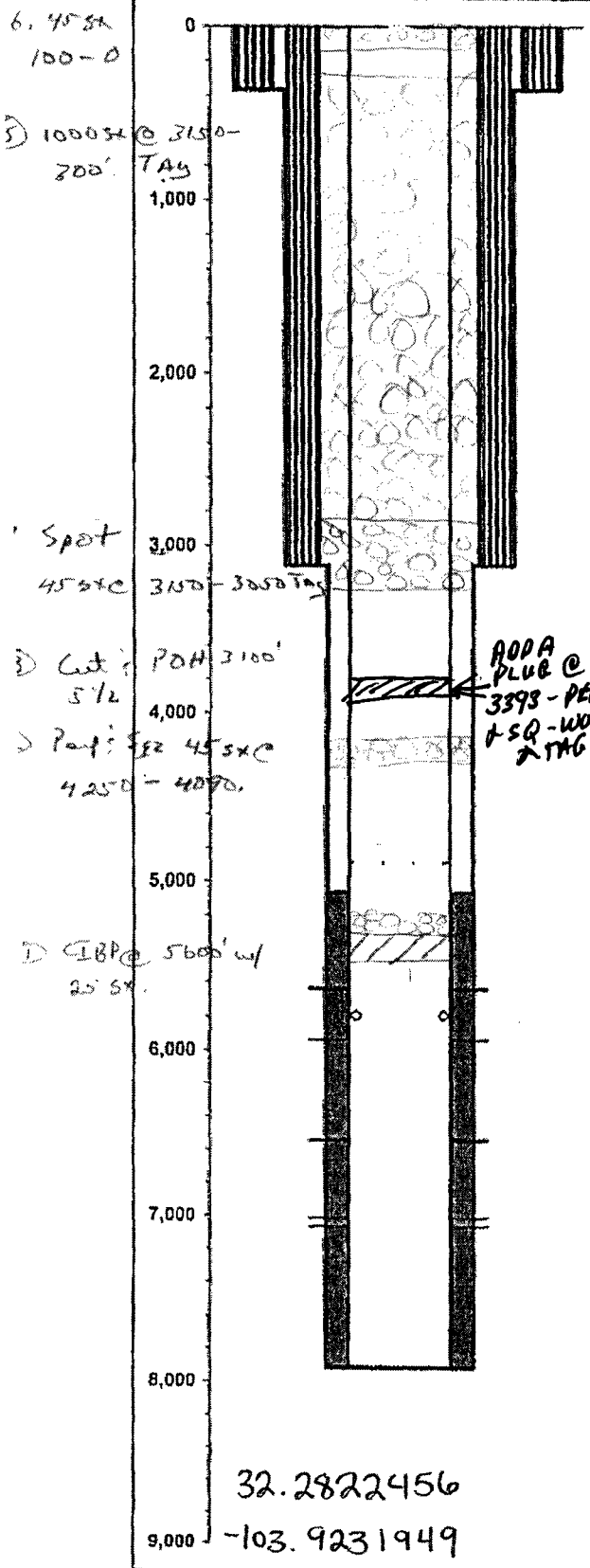
SEE ATTACHED ROA-5

Wellbore Schematic

Printed: 10/26/2006

GR 30 State # 0001

API # 3001528356



330 FNL & 1980 FWL	GL Elev:	3,078.00
Sec,Blk,Sur(Lbr,Lge,Sur)or(Sec,Twn,Rng): 30, 23S, 30E	Fill Depth:	7,400
County, State: Eddy, NM	PBTD:	5,810.00
Aux ID:	TD:	7,900.00
KB = 14; DF = ; All Depths Corr To: KB	BOP:	

Diameter	Top At	Btm At	Date Drilled
17.5000	0.00	355.00	
12.2500	356.00	3,114.00	
7.8750	3,114.00	7,900.00	

Surface Casing						Date Ran: 3/16/1995	
Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	8	13.3750	48.00	J55	342.00	14.00	356.00

Intermediate Casing					Date Ran: 3/21/1995		
Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	74	8.6250	32.00	K55	3,100.00	14.00	3,114.00

Production Casing String 1						Date Ran: 4/1/1995	
Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	2	5.5000	17.00	K55	68.57	13.99	82.56
Casing	127	5.5000	15.50	K55	5,669.18	82.57	5,751.75
Casing	47	5.5000	17.00	K55	2,092.58	5,751.75	7,844.31
Float Collar	1	5.5000			1.00	7,844.31	7,845.31
Casing	1	5.5000	17.00	K55	43.34	7,845.31	7,888.65
Float Shoe	1	5.5000			1.35	7,888.65	7,890.00

# Sx	Class	Weight	I D	O D	Top At	Btm At	TOC Par
500	C	14.80	13.375	17.500	0.00	356.00	Circ
1375	C	14.80	8.625	12.250	0.00	3,114.00	Circ
1410	C	14.20	5.500	7.875	5,060.00	7,900.00	CBL

Perforations							
Top	Bottom	Formation	Status	Opened	Closed	# / Ft	Ttl #
5,634.00	5,642.00	Delaware					
4 1/2" 33 shots squeezed 10/22/2006							
5,932.00	5,939.00	Delaware					
5932'-39' 4 SPF 29 holes							
6,539.00	6,544.00	Delaware					
6539'-6544' 4 SPF 23 holes							
7,015.00	7,059.00	Delaware					
7015'-25', 7030'-33', 7044'- 48', 7051'- 7053', 7057'- 7059' 2 SPF 26 holes, A/1500 Gal F/ 34000 gal & 121500# 16/30 18 BPM							

Top	Bottom	Type	Diameter	Solid	Date
		Unknown	4.950	Yes	9/6/2006

composite bridge plug drilled out 10/22/2006

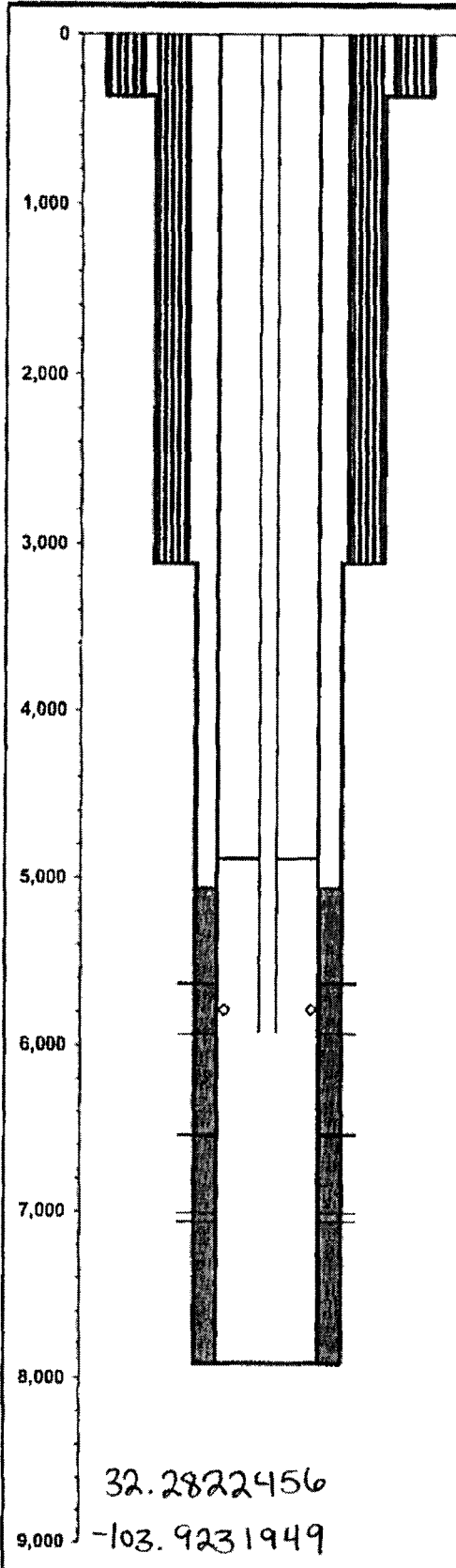
Tubing String 1						Date Ran: 10/24/2006	
Description	#	Diameter	Weight	Grade	Length	Top At	Bot At
Tbg Sect 1	156	2.8750	6.50	J55	4,872.00	14.00	4,886.00
Tbg Anchor	1	5.5000			2.60	4,885.99	4,888.79
Tbg Sect 2	32	2.8750	6.50	J55	998.00	4,888.79	5,886.79
Sig Nipple	1	2.8750			0.60	5,886.79	5,887.39
Slotted S N	1	2.8750	6.40	J55	0.50	5,887.39	5,887.89
Tbg Sect 3	1	2.8750	6.40	J55	6.00	5,887.89	5,893.89
2 7/8" tubing sub 4 x 6							

Wellbore Schematic

Printed: 10/26/2006

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330 FNL & 1980 FWL
Sec.Blk,Sur(Lbr,Lge,Sur)or(Sec,Twn,Rng): 30, 23S, 30E
County, State: Eddy, NM
Aux ID:
KB = 14; DF = ; All Depths Corr To: KB

GL Elev: 3,078.00
Fill Depth: 7,400
PBTD: 5,810.00
TD: 7,900.00
BOP:

Hole Size

Diameter	Top At	Btm At	Date Drilled
17.5000	0.00	356.00	
12.2500	356.00	3,114.00	
7.8750	3,114.00	7,900.00	

Surface Casing

Date Ran: 3/16/1995

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	8	13.3750	48.00	J55	342.00	14.00	356.00

Intermediate Casing

Date Ran: 3/21/1995

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	74	8.6250	32.00	K55	3,100.00	14.00	3,114.00

Production Casing String 1

Date Ran: 4/1/1995

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	2	5.5000	17.00	K55	68.57	13.99	82.56
Casing	127	5.5000	15.50	K55	5,668.18	82.57	5,751.75
Casing	47	5.5000	17.00	K55	2,092.56	5,751.75	7,844.31
Float Collar	1	5.5000			1.00	7,844.31	7,845.31
Casing	1	5.5000	17.00	K55	43.34	7,845.31	7,888.65
Float Shoe	1	5.5000			1.35	7,888.65	7,890.00

Cement

# Sx	Class	Weight	I D	O D	Top At	Btm At	TOC Per
500	C	14.80	13.375	17.500	0.00	356.00	Circ
1375	C	14.80	8.625	12.250	0.00	3,114.00	Circ
1410	C	14.20	5.500	7.875	5,060.00	7,900.00	CBL

Perforations

Top	Bottom	Formation	Status	Opened	Closed	# / Ft	Ttl #
5,634.00	5,642.00	Delaware					
4 jsp, 33 shols squeezed 10/22/2006							
5,932.00	5,939.00	Delaware					
5932'-39' 4 SPF 29 holes							
6,539.00	6,544.00	Delaware					
6539'-6544' 4 SPF 23 holes							
7,015.00	7,059.00	Delaware					
7015'-25', 7030'-33', 7044'- 48', 7051'- 7053', 7057'- 7059' 2 SPF 26 holes. A/1500 Gal F/ 34000 gal & 121500# 16/30 18 BPM							

Wellbore Plugs and Junk

Top	Bottom	Type	Diameter	Solid	Date
		Unknown	4.950	Yes	9/6/2006

composite bridge plug drilled out 10/22/2006

Tubing String 1

Date Ran: 10/24/2006

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Tbg Sect 1	156	2.8750	5.50	J55	4,872.00	14.00	4,886.00
Tbg Anchor	1	5.5000			2.80	4,885.99	4,888.79
Tbg Sect 2	32	2.8750	6.50	J55	998.00	4,888.79	5,886.79
Stg Nipple	1	2.8750			0.60	5,886.79	5,887.39
Slotted S N	1	2.8750	6.40	J55	0.50	5,887.39	5,887.89
Tbg Sect 3	1	2.8750	6.40	J55	6.00	5,887.89	5,893.89

2 7/8" tubing sub 4 x 6

CONDITIONS FOR PLUGGING AND ABANDONMENT

District II / Artesia N.M.

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, **Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work.**

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
7. Produced water **will not** be used during any part of the plugging operation.
8. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
9. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
10. **Class 'C' cement will be used above 7500 feet.**
11. **Class 'H' cement will be used below 7500 feet.**
12. **A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged**
13. **All Casing Shoes Will Be Perforated and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing**
14. **A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.**
15. **If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing**

16. **When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set**
17. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, **(WOC 4 hrs and tag).**
18. **No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.**
19. Any Production Formations will be isolated with cement plugs: Some of these are:
 - A) **Strawn, Fusselman, Devonian, Marrow, Atoka, Wolfcamp, Bone springs, Delaware, San Andres, Abo, Glorieta, Any Salt Section, (Potash), Grayburg, Queen, Yates, Tubb, 7-Rivers**
 - B) **Potash---** (In the R-111-P Area (Potash Mine Area), a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, **WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.**
20. **If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing**

DRY HOLE MARKER REQUIREMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name 2. Lease and Well Number 3.API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. County

(SPECIAL CASES)

AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)