

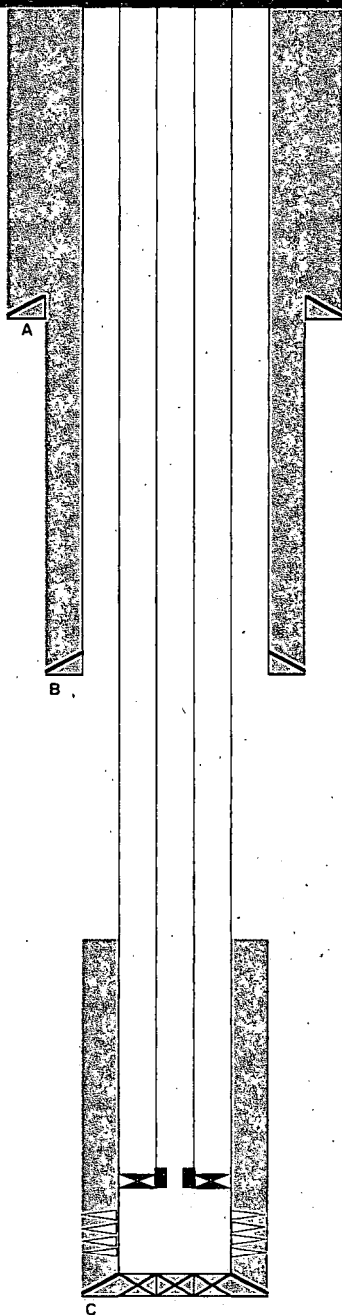
Continued 2-6
005-61517

Revisions to Operator-Submitted EC Data for Sundry Notice #456166

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	ABD NOI	ABD NOI
Lease:	NMNM51830	NMNM28304
Agreement:		SCR419 (NMNM72284)
Operator:	EOG RESOURCES INCORPORATED 104 SOUTH FOURTH STREET ARTESIA, NM 88210 Ph: 575-748-4311	EOG Y RESOURCES INC 105 SOUTH FOURTH STREET ARTESIA, NM 88210 Ph: 575-748-1471
Admin Contact:	JEREMY HAASS REGULATORY SPECIALIST E-Mail: jeremy_haass@eogresources.com Ph: 575-748-4311	JEREMY HAASS REGULATORY SPECIALIST E-Mail: jeremy_haass@eogresources.com Ph: 575-748-4311
Tech Contact:	JEREMY HAASS REGULATORY SPECIALIST E-Mail: jeremy_haass@eogresources.com Ph: 575-748-4311	JEREMY HAASS REGULATORY SPECIALIST E-Mail: jeremy_haass@eogresources.com Ph: 575-748-4311
Location:		
State:	NM	NM
County:	CHAVES	CHAVES
Field/Pool:	PECOS SLOPE ABO	PECOS SLOPE-ABO
Well/Facility:	HELEN FEDERAL COM 2 Sec 1 T7S R25E SENE 2130FNL 968FEL	HELEN FEDERAL COM 2 Sec 1 T7S R25E SENE 2310FNL 968FEL

API:	30-005-61517.
GL:	3638
KB:	

COMMENTS



TOC @ 3510 by CBL

Abo Perfs - 3668-3837

PBTD: 4,336 MD

CASING DETAIL

[illegible]

FORMATION TOPS

[illegible]

TUBING DETAIL

[illegible]

Well Aquired from Mesa Petroeum in 80s. May have a PKR in the hole. No records

ROD DETAIL

[illegible]

ADDITIONAL DETAIL

[illegible]

Prepared by: JDE

Date: 2/13/2019

Helen Fed Com #2 - Proposed

Sec-TWN-RNG: 1-7S-25E

FOOTAGES: 2310' FNL & 968' FEL

API: 30-005-61517

GL: 3638

KB:

COMMENTS

Plug #5 - Surface Plug

Plug #4 - 13 3/8 Csg Shoe

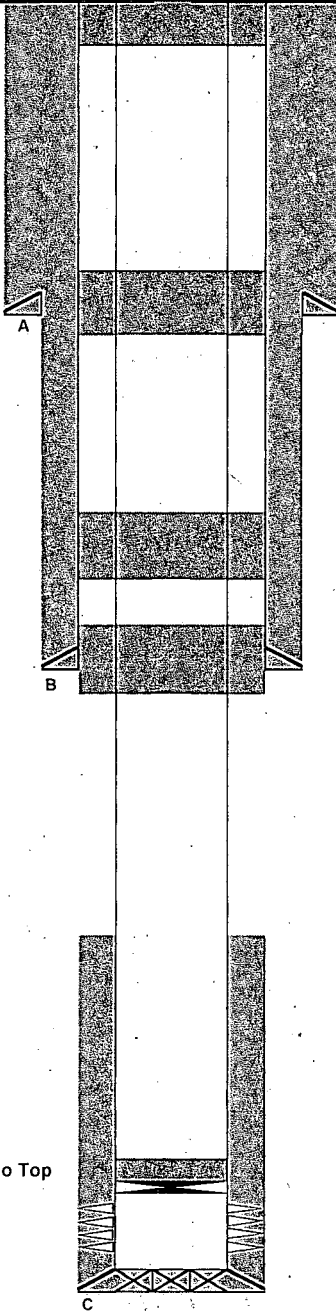
Plug #3 - Glorieta Top

Plug #2 - 8 5/8" Csg Shoe

TOC @ 3510 by CBL

Plug #1 - Open Perfs & Abo Top

Abo Perfs - 3668-3837



PBTD: 4,336 MD

CASING DETAIL

#	HOLE SIZE	CSG SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	48	H-40	0	883	700	Circ	
B	12 1/4	8 5/8	24	K-55	0	1832	1000	Circ	
C	7 7/8	4 1/2	10.5	K-55	0	4399	400	3510	CBL

FORMATION TOPS

FORMATION	TOP
SAN ANDRES	470
GLORIETA	1426
Tubb	2980
Abo	3620

PLUG DETAIL

#	SX	CMT CLASS	TOP	BTM	DESCRIPTION
1	CIBP w/ 35'	C	3565	3600	Open Perfs & Abo Top
2	33	C	1760	1880	8 5/8" Csg Shoe, In/Out Plug
3	33	C	1360	1480	Glorieta Top In/Out Plug
4	31	C	820	930	13 3/8 Csg Shoe In/Out Plug
5	28	C	0	100	Surface Plug In/Out Plug

ADDITIONAL DETAIL

	FORMATION	TOP	BTM	#	SIZE	NOTES
PERFS	Abo	3668	3837	22		Acid & Frac'd

Prepared by: JDE

Date: 2/13/2019

Helen Federal Com 2
30-005-61517
EOG Y RESOURCES, INC.
February 28, 2019
Conditions of Approval

1. Operator shall place CIBP at 3,600' (50'-100' above top most perf) and place 25 sx of Class H cement on top as proposed to seal the perms and the Abo formation. WOC and TAG.
2. Operator shall perf and squeeze at 1882'. Operator shall place a balanced Class C cement plug from 1,882'-1,760' to seal the 8-5/8" shoe as proposed. WOC and TAG.
3. Operator shall perf and squeeze at 1,480'. Operator shall place a balanced Class C cement plug from 1,480'-1,360' to seal the Glorietta formation. WOC and TAG.
4. Operator shall perf and squeeze at 933. Operator shall place a balanced Class C cement plug from 933'-820' to isolate the 13-3/8" shoe. WOC and TAG.
5. Operator shall perf and squeeze at 200'. Operator shall place a balanced Class C cement plug from 200' to surface.
6. See Attached for general plugging stipulations.

JAM 030519

BUREAU OF LAND MANAGEMENT
Roswell Field Office
2909 W. Second Street
Roswell, New Mexico 88201
575-627-0272

General Requirements for Plug Backs

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from this approval.

If you are unable to plug back the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. Call 575-627-0205.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement.

Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.**

7. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.