

State of New Mexico
Energy, Minerals and Natural Resources

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-40411
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Red Hills West 16 State
8. Well Number #2H
9. OGRID Number 217817
10. Pool name or Wildcat Jennings; Upper Bone Spring Shale

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.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
ConocoPhillips Company

3. Address of Operator
913 N. Eldridge Parkway Houston, TX 77079

4. Well Location
Unit Letter **C** : **180** feet from the **N** line and **1960** feet from the **W** line
Section **16** Township **26S** Range **32E** NMPM County **Lea**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3203' GR

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 ☐
CLOSED-LOOP SYSTEM ☐
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. Tag 7" RBP @ 8284'. Circ hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 8284-8184'.
2. Spot 30 sx cmt @ 7170-7070'. (Brushy)
3. Perf & Sqz 60 sx cmt @ 4533-4433'. WOC & Tag (9 5/8 Shoe)
4. Spot 30 sx cmt @ 4230-4130'. WOC & Tag (B/Salt)
5. Perf & Sqz 60 sx cmt @ 2052-1952'. WOC & Tag (T/Salt)
6. Perf & Sqz 60 sx cmt @ 1210-1110'. WOC & Tag (13 3/8" Shoe)
7. Perf & Sqz 60 sx cmt @ 200' to surface.
8. Cut off well head, verify cmt @ surface, weld on Dry Hole Marker.

**SEE ATTACHED CONDITIONS
OF APPROVAL**

4" diameter 4' tall Above Ground Marker

Spud Date:

Rig Release Date:

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

SIGNATURE Ruth Shockency TITLE Regulatory Coordinator DATE 03/09/2022

Type or print name Ruth Shockency E-mail address: ruth.shockency@conophillips.com PHONE: 575-308-8312
For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 3/15/22
Conditions of Approval (if any):

575-263-6633

ConocoPhillips		CURRENT	
Author:	LSG	Well No.	2H
Well Name	RedHills West 16 St 2H	API #:	30-025-40411
Field	Avalon	Location	Sec 16, T26S, R32E
County	Lea		
State	NM		
Spud Date	2/16/2012	GL	3212

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	13.375"	J55	54.5	903	17 1/2	1,160	surf
Inter Csg	9.625"	J55	36	4,483	12	1,780	7
Prod Csg	7"	P110	29	8,962	8 3/4	327	3448'
Liner	4.5"	P110	11.6	13,707	6 1/8	SwellPkr	TOL@ 8819'

Formation Tops	
Rustler	869
Salado	965
Castile	2769
Del	4432
Ramsey	4470
Ford	4531
Olds	4544
Cherry	5399
Brushy	7119
Bone Spring	8279
B.S. 1st Top	8489
B.S. 1st Base	8789
Avalon	8789

13.375' csg set @ 903 with 1,160 cmt sx

T/Salt-2002
B/Salt-4180

9.625 csg set @ 4,483 with 1,780 cmt sx

RED HILLS WEST 16 STATE 2H				KB		3,219	
				(via survey plot)			
Notes:		A pilot hole will not be drilled. This horizontal well will be drilled from N to S into the Avalon A Shale Zone. The well will be drilled relatively flat to slightly toe up with a ~4,800' long lateral.					
Surface Location		Sec 16	26S	32E		Lea Co. NM, Surface Location: 180' PNL & 1980' PNL	
RED HILLS WEST STATE 16 2H BHL		Sec 16	26S	32E		Lea Co. NM, Terminus Location: 330' PNL & 1700' PNL	
Formation Name	Formation Top (TVD)	Subsea Depth	Gross Thickness	Gross Thickness	Gross Thickness	Comments	
Quaternary	Surface						
Rustler	869	2,380					
Salado	965	2,984					
Castile	2,769	400					
Delaware Top	4,432	-1,213					
Ramsey	4,470	-1,251					
Ford Sh	4,531	-1,312					
Olds	4,544	-1,325					
Cherry Canyon	5,399	-2,180					
Brushy Canyon	7,119	-3,000					
KOP (est)	8,248	-3,039					
Bone Spring Top	8,279	-3,060				Not a formation top	
Bone Spring 1st Carbonate Top	8,489	-3,270	300				
Bone Spring 1st Carbonate Base	8,789	-3,570					
Avalon A Shale Top	8,789	-3,570					
LANDING: Avalon A Shale Horizontal Upper Target Limit	8,941	-3,722				Not a formation top	
LANDING: Avalon A Shale Horizontal Target Center	8,964	-3,745	45			Not a formation top	
LANDING: Avalon A Shale Horizontal Lower Target Limit	8,989	-3,767				Not a formation top	
TERMINUS: Avalon A Shale Horizontal Upper Target Limit	8,925	-3,705			200	Not a formation top	
TERMINUS: Avalon A Shale Horizontal Target Center	8,948	-3,728	45			Not a formation top	
TERMINUS: Avalon A Shale Horizontal Lower Target Limit	8,971	-3,748				Not a formation top	
Avalon A Shale Base (Should not penetrate)	9,019	-3,800					
Proposed total MD of well 13,432'							

RBP set @ 8284' Nov 21, 2017

Top of 4.5" csg hanger @ 8886'

7" csg set @ 8,962 with 327 cmt sx

Top Perfs @ 9,329'

Btm Perfs @ 13,356'

4.5" csg set @ 13,707 with SwellPkr cmt sx

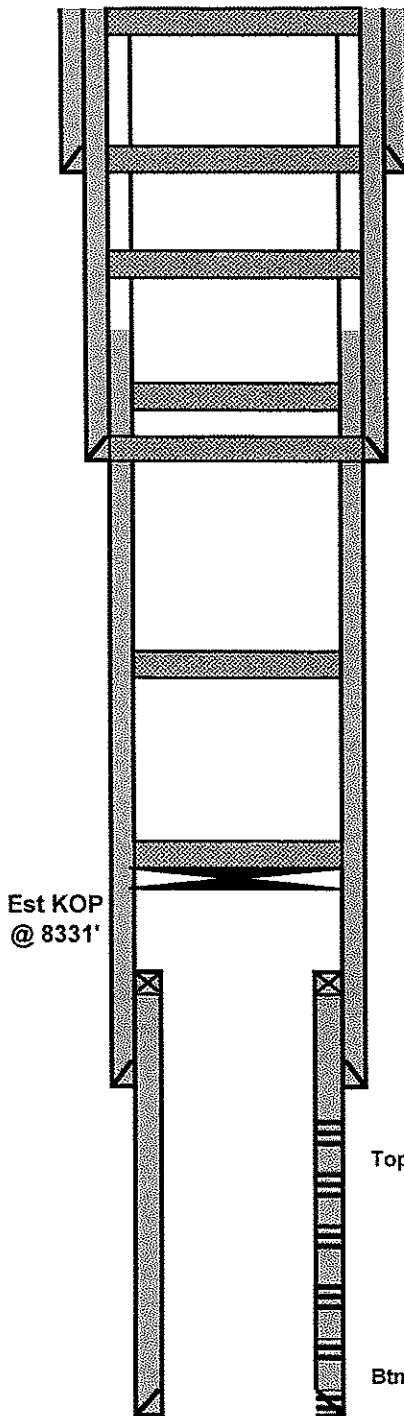
TDPB: 8,284'
TD: 13,400'

32.0498047
-103.6822662

ConocoPhillips		PROPOSED	
Author:	LSG	Well No.	2H
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Btm Perfs @ 13,356'

4.5" csg set @ 13,707 with SwellPkr cmt sx

T/Salt - 2602
B/Salt - 4180

Est KOP
@ 8331'

TDPB: 8,284'
TD: 13,400'

32.0498047
-103.6822662

**CONDITIONS OF APPROVAL
FOR PLUGGING AND ABANDONMENT
OCD - Southern District**

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 I (Hobbs) at (575)-263-6633 at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down.

Company representative will be on location during plugging procedures.

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. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
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. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water will not be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. 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.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. 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
14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production 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 is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
18. 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).

19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
- A) Fusselman
 - B) Devonian
 - C) Morrow
 - D) Wolfcamp
 - E) Bone Springs
 - F) Delaware
 - G) Any salt sections
 - H) Abo
 - I) Glorieta
 - J) Yates.
 - K) 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.
21. 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)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION

District I
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District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 89948

COMMENTS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 89948
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	3/15/2022

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1625 N. French Dr., Hobbs, NM 88240
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Created By	Condition	Condition Date
kfortner	See attached conditions of approval	3/15/2022