

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 3477
1220 S St Francis Dr Santa Fe NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18 2013

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

WELL API NO 30-059 20485
5 Indicate Type of Lease FEE Surface and Minerals
6 State Oil & Gas Lease No
7 Lease Name or Unit Agreement Name Sofia
8 Well Number 1
9 OGRID Number 257794
10 Pool name or Wildcat Wildcat CO2 – Never Hooked Up
11 Elevation (Show whether DR RKB RT GR etc) 6261 GL

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 CO2

2 Name of Operator
Kodiak Petroleum (Montana), Inc

3 Address of Operator
Cannot be Located Well Declared Orphaned by Order R-14049 in Case 15323

4 Well Location
Unit Letter D (Lot 1) 305 feet from the North line and 1200 feet from the West line
Section 18 Township 25 North Range 30 East NMPM Union County

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

Estimated Start Date June 12 2017

Plug and Abandon

Cement plugs to cover Middle Yeso Glorieta, and Santa Rosa Perforations 7-inch casing shoe and surface plug
See Attached Procedure and Diagrams

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

SIGNATURE William V Jones TITLE Supervisor District IV DATE 6/5/2017

Type or print name William V Jones E mail address williamv.jones@state.nm.us PHONE 505-419 1995 Work Cell

For State Use Only

APPROVED BY WVJ William V Jones TITLE Supervisor, District IV DATE 6/5/2017
Conditions of Approval (if any) See Attached Procedure

PLUG & ABANDONMENT PROCEDURE

March 18, 2017

Sofia #1

Wildcat

305' FNL and 1200' FWL, Section 18, T-25 N, R-30-E

Union County, New Mexico, API 30-059-20485

Lat / Long

Note All cement volumes use 100% excess outside pipe and 50' excess inside The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield

- 1 This project will use a steel waste pit to handle waste fluids from the well and cement was up
- 2 Comply with all NMOCD safety regulations MOL and RU single daylight pulling unit Conduct safety meeting for all personnel on location Record casing, tubing and bradenhead pressures NU relief line and blow down well Kill well with water as necessary ND wellhead and NU BOP Function test BOP
- 3 Prepare a 2 3/4" tubing workstring and round trip a 4 1/2" string mill to 2020' TIH and set 4 1/2" cement retainer at 2000' Pressure test tubing to 1000 PSI Attempt to load the casing with water and circulate the well clean, note the two sets of open perforations may cause plug #1 to be unbalanced
- 4 **Plug #1 (Yeso and Glorietta perforations and San Andres tops, 2132' to 1728')** Step 1) Mix and pump 45 sxs Class B cement squeeze all 45 sxs under the CR and sting out Reverse circulate casing clean if have circulation to surface Step 2) Mix and pump 90 sxs cement, with the casing valve shut, squeeze 48 sxs outside the casing and spot 42 sxs above the CR inside the casing (*Note step 1 - 100% cement excess in/outside the casing from 2132' to 2000', and step 2 - 100% excess in/outside from 2000' to 1728'*) TOH and WOC TIH and tag TOC, reset plug if necessary TOH with tubing
- 5 **Plug #2 (Santa Rosa perforations and top, 1466' to 1150')** Set a 4 1/2" cement retainer at 1250' Load the well with water and then circulate clean Pressure test casing to 800 PSI If casing does not test, then spot or tag subsequent plugs as appropriate Mix and pump 80 sxs cement, squeeze 70 sxs under the CR and spot 10 sxs above inside the casing PUH
- 6 **Plug #3 (7" Surface casing shoe, Chinle and Exeter tops, 859 to 678')** Mix 20 sxs and spot a balanced plug inside the casing to cover the casing shoe and formation top PUH to 100'
- 7 **Plug #4 (Surface plug, 248' to Surface)** Attempt to pressure test the Bradenhead annulus to 300 PSI, note the volume to load If the BH annulus holds pressure, then establish circulation out casing valve with water Mix approximately 20 sxs cement and spot a balanced plug from 100' to surface, circulate good cement out casing valve LD tubing If BH annulus does not test, then after filling the inside, ND BOP and cut off WH RIH with a 1-1/4" tremie pipe into annulus to 100' Mix and pump 10 sxs to fill the BH annulus to surface POH with tremie pipe
- 8 ND BOP and cut off wellhead below surface casing flange Install P&A marker with cement to comply with regulations Record GPS coordinate for P&A marker on tower report Photograph P&A marker in place Cut off anchors and clean up location Restore location per ~~PLM~~ stipulations

PLM
SURFACE
OWNER

SOFIA #1
Current Well
Wildcat

305 FNL & 1200 FWL, Section 18, T-25-N, R-30-E, Union County, NM

Lat 36 407472 / Long -103 790406 / API #30-059-20485

Spud 3/12/2008

Today's Date 3/18/17

Elevation 6261' GL

Completed 05/05/2008

Top Pump Down 100 sxs in annulus,
Sundry report, then ran CBL (2008)

Dakota Sandstone @ 198

Morrison @ 354

Exeter Sandstone @ 728

Chinle @ 750

7 20# J 55 Casing set @ 809
Cmt with 240 sxs (Circ 1 bbl to surface)

10" hole

Bottom of cement at 1100

Santa Rosa Sandstone @ 1358

Santa Rosa Perforations
1300 - 1345
1438 - 1466

Annulus TOC unknown, during the
primary cementing job the float collar
was plugged and cement is not shown
in the annulus on the CBL

San Andres @ 1778

Glorietta Sandstone @ 1880

Glorietta Perforations
1874' - 1970

Yeso @ 2000

Yeso Perforations
2092 2132

6 hole

4 5 10 5# J 55 Casing set @ 2189
Cement with 275 sxs and
75 sxs celloflake + cedar fiber
plugged off at float collar no cement in annulus

MD 2189
PBSD 2142

SOFIA #1

Proposed P&A

Wildcat

Spud 3/12/2008
 Today's Date 3/18/17
 Elevation 6261 GL
 Completed 05/05/2008

305' FNL & 1200 FWL, Section 18, T-25-N, R-30-E, Union County, NM

Lat 36 407472 / Long -103 790406 / API #30-059-20485

Dakota Sandstone @ 198

Morrison Formation @ 354

Exeter Sandstone @ 728

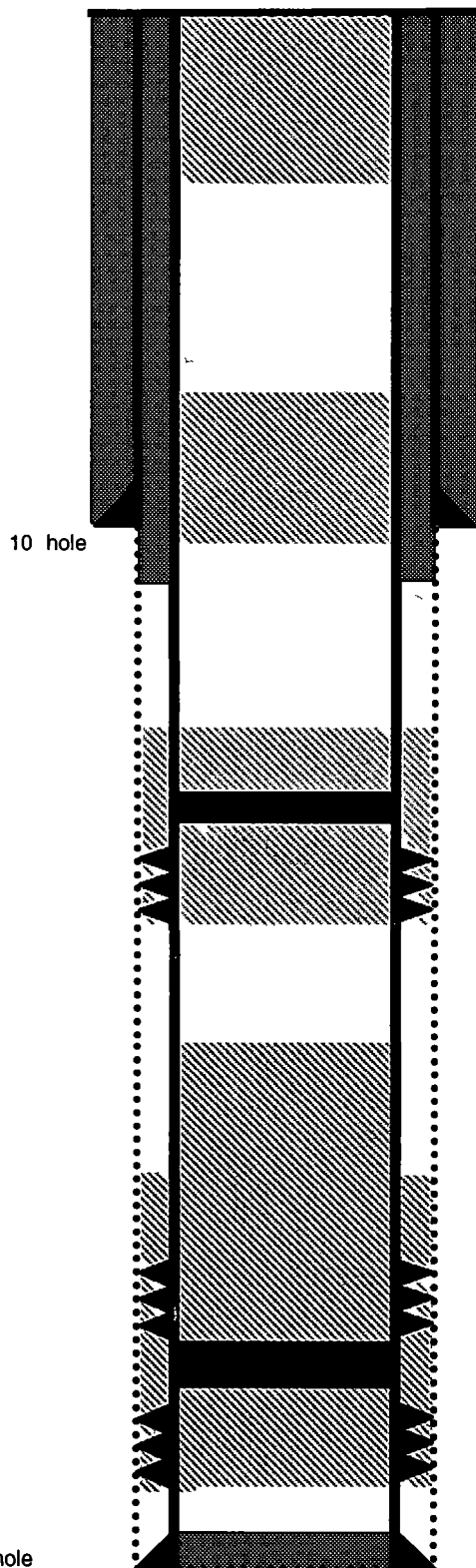
Chinle Formation @ 750

Santa Rosa Sandstone @ 1358

San Andres Formation @ 1778

Glorietta Sandstone @ 1880

Yeso Formation @ 2000



Top Pump Down 100 sxs in annulus

Plug #4 248' to surface
 With Class B cement 20 sxs

Plug #3 859 - 678
 With Class B cement 20 sxs

7 20# J 55 Casing set @ 809
 Cmt with 240 sxs (Circ to Surface 1 bbl)

Bottom of cement at 1100' (CBL)

Plug #2 1466 - 1150
 with Class B cement 80 sxs
 70 sxs under and 10 above

Set 4 5 CR @ 1250'

Santa Rosa Perforations
 1300 - 1345
 1438 - 1466

Annulus Cement - unknown

Plug #1 2132' - 1728
 with Class B cement 135 sxs
 45 sxs below CR, then 90 sxs
 above squeeze 48 sxs outside

Glorietta Perforations
 1874 - 1970

Set 4 5' CR @ 2000

Middle Yeso Perforations
 2092' 2132 (160 holes)

4 5" 10 5# J 55 Casing set @ 2189
 Cement with 275 sxs and
 75 sxs celloflake + cedar fiber
 plugged off at float collar

MD 2189
 PBTD 2142

Wells Operators Operator Data OCD Review OCD Only Administration

OCD Permitting

Home Land Searches Land Details

Section 18-25N-30E

Type Normal

Total Acres 644.4

County Union (59)

SOFIA #1 30-059-20485

D (1) Federal Fee (59) 40 81	C (C) Fee 1 Fee 2 (59) 40	B (B) Fee 1 Fee 2 (59) 40	A (A) Fee 1 Fee 2 (59) 40
E (2) Federal Fee (59) 41 01	F (F) Fee 1 Fee 2 (59) 40	G (G) Fee 1 Fee 2 (59) 40	H (H) Fee 1 Fee 2 (59) 40
L (3) Federal Fee (59) 41.2	K (K) Fee 1 Fee 2 (59) 40	J (J) Fee 1 Fee 2 (59) 40	I (I) Fee 1 Fee 2 (59) 40
M (4) Federal Fee (59) 41 38	N (N) Fee 1 Fee 2 (59) 40	O (O) Fee 1 Fee 2 (59) 40	P (P) Fee 1 Fee 2 (59) 40

Note 1 = Surface Owner Rights

Note 2 = Sub Surface Mineral Rights

Land Restrictions

No land restrictions found for this section

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