STATE OF NEW MEXICO
ERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

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.)

OIL WELL ☒ GAS WELL ☐ OTHER-

7. Unit Agreement Name: Pinon Unit

Name of Operator: hace Oil Company, Inc.

8. Farm or Lease Name:

Address of Operator: 13 Washington, SE, Albuquerque, NM 87108

9. Well No.: Pinon Unit No. 2

Location of Well: UNIT LETTER Irr. Section . 1583 FEET FROM THE east LINE AND 2583 FEET FROM

10. Field and Pool, or Wildcat: Wildcat

THE south LINE, SECTION 26 TOWNSHIP 14N RANGE 8E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.): 5798' GR

12. County: Santa Fe

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐			COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	CHANGE PLANS	☐	CASING TEST AND CEMENT JOB	☐		
				OTHER	☐		
OTHER	☐						

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

See attached Well History - 8/21/85 through 8/26/85.

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

D. W. Miller

TITLE President DATE 8/26/85

APPROVED BY Roy Johnson TITLE DISTRICT SUPERVISOR DATE 11-15-85

CONDITIONS OF APPROVAL, IF ANY:

Well: Pinon Unit #2

CHACE OIL COMPANY, INC.
313 Washington S.E.
Albuquerque, New Mexico 87108

Date: 8/12/85
Day # 48. Present operation: rig idle. Depth today: 7455' TD
24 hour footage: _____. Formation: _____
Drill Collars: No: ____ Size: _____ Weight: _____ Bore: _____
Rotary: RPM: ____ Weight on bit: _____ Present drilling rate: _____
Pump: Liner size: _____ Pressure: _____ Strokes per minute: _____
Mud: Vis: _____ Wt.: _____ W. L.: _____
Mud additives last 24 hours: _____

Deviation survey: _____
Bit: _____
Break down:

1/2 hour	Circulating
1 3/4 hours	Cement first stage
4 hours	Drop bomb and circulate
1 1/4 hours	Cement second stage
4 1/2 hours	Set slips and cut off casing
6 hours	Rig down
6 hours	Rig idle

6/11/85: Ran 186 joints, plus a short joint, of 4½", 11.6 lb/ft N-80 casing set at 7455' KB. Guide shoe at 7454' KB. Float collar at 7411.7' KB. D. V. tools at 4595' KB and 2179' KB. 15 centralizers at 7434', 7371', 7250', 7170', 7010', 6809', 6213', 6014', 5814', 5455', 4635', 4555', 4314', 2219', 2139'KB. Short joint at 5733'-5357' KB. First stage: Pumped 20 bbls. Flo-chek 21. Cemented first stage with 1450 sks (2074 CF) 50/50 pozmix, 2% gel, 6 1/4 lb/sk Gilsonite, 6 lb/sk salt. Plug down at 8:18 a.m. Circulate 30 bbls cement on 1st stage. Open D. V. tool; circulated upper stage 3 hours. Second stage: Pumped 20 bbls Flo-chek 21. Cemented 2nd stage with 1025 sks (1896 CF) Class B, 4% gel, 6 1/4 lb/sk Gilsonite, 10% salt, 6/10 of 1% Halide 9. Tail in with 50 sks (59 CF) Class B neat. Plug down at 1:26 p.m. on 6/11/85. Circulated 40 bbls cement to surface.

8/21/85:

Drilled out cement.

Pressure tested casing to 1100 PSI. Held for 5 minutes. Okay.

With tubing on bottom, circulated casing with 2% Kcl water.

Spotted 150 gal of 7 1/2% acetic acid from 7265' up hole.

Trip out of hole with tubing.

Perforated Dakota interval 7255' through 7265' at 7255', 7257', 7259', 7261', 7263' 7265', 3 SPF, 18 holes.

Trip in hole with tubing and 4 1/2" RTTS packer.

Set packer at 6999' KB.

Put 1,000 PSI on back side.

Broke at 4500 PSI.

Establish rate 1 bbl/min at 6000 PSI.

Pump 2 bbls.
Shut down.
ISIP = 5800 PSI
5 min = 2800
10 min = 2100
15 min = 1900
Tighten well head equipment.
Put 1000 PSI on back side.
Established rate - 1 1/4 bbl/min at 6000 PSI
Shut down.
Released packer.
Pumped 225 gal 15% Hcl in tubing.
Displaced to end of packer with 2 bbls water.
Set packer.
Pumped acid into perforations; at 1 1/4 bbl/min at 5700 PSI, acid 2 bbls from perfs.
Acid on perfs.
1 1/4 bbls/min at 6000 PSI.
2 bbls/min at 5200 PSI.
4 bbls/min at 5000 PSI.
Acid displaced into perforations.
Shut down.
ISIP = 4400 PSI
Ball off:
Start pumping 2 bbl/min at 4100 PSI.
Drop 2 balls/bbl for 15 bbls.
Increase rate to 3 1/4 bbl/min at 4800 PSI.
Increase rate to 4 1/4 bbl/min at 5100 PSI.
Balls on perfs.
Have good ball action.
With rate at 2 bbls/min at 5900 PSI, all balls away.
2 bbl/min at 5950 PSI.
Shut down.
ISIP = 5400 PSI
5 min = 3000 PSI.

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Flow well back.
Pressure went to 0 in less than 1 minute.
Had a weak flow back - approximately a 6 to 10" stream out of a 2" flow line.
Shut well in for night. 9:35 p.m.

8/22/85:

Tubing pressure = 400 PSI.
Bled well down.
Pressure went to 0 in less than a minute.
Flowed back a few gallons of water.
Prepare to swab formation.
Will advise later as to the swab.

8/23/85:

Tubing pressure = 0.
1st swab - Fluid level 1000'.
Pulled swab from 3000'
2000' of fluid = 7.5 bbl spent acid water

2nd swab - 1500' fluid level
Pulled swab from 3500'
2000' fluid = 7.5 bbl spent acid water
Slight rainbow oil

3rd swab - 2700' fluid level
Pulled swab from 5000'
2300' fluid = 8.5 bbl spent acid water
Few gallons black clabbered oil - less than 1%
Recovered 62 1/2 bbl treatment fluid
6 1/2 bbl left to recover.

4th swab - fluid level 4500'
Pulled swab from 6500'.
Pulled 2000' fluid - 7 1/2 bbls. spent acid water.
Recovered very small amount of black high pour point oil.
5th swab - Fluid level 5700'
Pulled 800' fluid - 3 bbls spent acid water
Very small amount of same type oil

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Wait 30 minutes.

6th swab - fluid level 5800'

Pulled 700' fluid - 2 1/2 bbls spent acid water

Very small amount of black oil droplets on sample.

Had a slight gas flow while swab was being pulled until fluid reached surface.

Wait 30 minutes.

7th swab - Fluid level 5500'.

Pulled 1000' fluid - 3 1/2 bbls spent acid water.

Very small amount of black oil droplets.

Wait 30 minutes.

8th swab - Fluid level 5000'.

Pulled 500' fluid - 2 bbls spent acid water.

Very, very small amount of black oil droplets.

Had a gas flow while swab was being pulled until water reached surface.

Gas would burn.

Wait 30 minutes.

9th swab - Fluid level 5000'.

Pulled 1500' fluid which was formation water.

Had gas flow while swab was being pulled until water reached surface.

Total fluid = 86 1/2 bbls water, of which 69 bbls were treatment water.
17 1/2 bbls formation water.

2:20 p.m. Released packer. Come out of hole.

5:50 p.m. Go in hole with cement retainer.

7:34 p.m. Set retainer at 7250' KB.

7:50 p.m. Trip in hole with tubing and stinger.

9:00 p.m. Shut down for night.

8/24/85:

7:15 a.m. Lower tubing to retainer. Sting into retainer.

7:50 a.m. Load back side.

8:00 a.m. Put 1000 PSI on back side.

Establish rate down tubing - 1 1/4 bbls/min at 4000 PSI

8:05 a.m. Sting out of retainer.

8:16 a.m. Mix and pump 10 bbls Class B cement in tubing.

Displace with 16 bbls water, leaving cement approximately 1 1/2 bbl short of end of tubing.

Sting into retainer. Pump cement into formation. 1 bbl/min at 5000 PSI.

With 6 bbls displacement to go, 1 bbl/min at 5300 PSI.

With 4 bbls displacement to go, 3/4 bbl/min at 5500 PSI.
With 3 bbls displacement to go, 3/4 bbl/min at 5800 PSI.
With 2 bbls displacement to go, 1/2 bbl/min at 5700 PSI.
With 3/4 bbl displacement to go, 1/2 bbl/min at 5800 PSI.

8:45 a.m. Displacement away. Shut down.
Pull stinger out of retainer.
Reverse circulate tubing with 30 bbls of water.
Get back 1 bbls cement.

9:00 a.m. Pull tubing up to 7239' KB. Circulate casing with 2% Kcl water.
Spot 150 gal 7 1/2% acetic acid from 7239 up hole.
Come out of hole with tubing.
Go in hole with perforating gun at 11:25 a.m.
Perforate Dakota interval from 7221' through 7239', as follows:
7221', 7223', 7225', 7227', 7229', 7233', 7235', 7237', 7239', 3 SPF, 27 holes.
Trip in hole with tubing and 4 1/2" RTTS packer.
Set packer at 6934' KB.
Pressure up to 1000 PSI on back side.
Break down perforations.
Start taking fluid at 4000 PSI.
Establish rate 4 bbls/min at 5300 PSI.
Pump 5 bbls fluid to displace acid into perforations.
Shut down.

ISIP = 4100
5 min = 3350
10 min = 3050
15 min = 2600

3:02 p.m. Start balls. 2 balls/bbl for 20 bbls.
3 1/4 bbls/min at 5150 PSI.
Increase rate to 3 3/4 bbls/min at 5300 PSI.
32 1/2 bbls away - have ball action.
3 3/4 bbls/min at 5350 PSI.
Had good ball action.
No ball off.
Final rate 3 3/4 bbl/min at 5800 PSI.
Shut down.
Open well up.

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Had a 2' flow out of 2" line.
Flow slowed to a 6" stream in 2 minutes.
Prepare to swab.

4:10 p.m. 1st swab - fluid level at surface.
Pulled 2000' fluid - 7 1/2 bbls treatment water.
2nd swab - Fluid level 1500'
Pulled 2000' of fluid - 7 1/2 bbls treatment water.
3rd swab - Rig broke down.
Repair rig in the morning of the 25th.
Pulled 3000' fluid - 11 1/2 bbls treatment water.
Recovered approximately 1 quart of black high pour point oil.
Resembles oil from 1st zone.
Shut down for weekend.

8/26/85:

7:25 a.m. Tubing pressure = 0.
1st swab - fluid level 3000'.
Pulled 2000' fluid
7 1/2 bbls treatment water.
Recover small amount of black high pour point oil.
2nd swab - Fluid level at 5200'.
Pulled 1700' fluid - 6 1/2 bbls spent acid water.
No gas or oil.

9:15 a.m. 3rd swab run - Pulled no fluid.
Wait 30 minutes to pull next swab run.