

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-025-07566
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name N. HOBBS (G/SA) UNIT
8. Well No. 331
9. Pool name or Wildcat HOBBS (G/SA)
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3630' GR

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 ALTURA ENERGY LTD.	
3. Address of Operator P.O. BOX 4294 HOUSTON TX. 77210-4294	
4. Well Location Unit Letter J : 1980 Feet From The SOUTH Line and 2310 Feet From The EAST Line Section 34 Township 18-S Range 38-E NMPM LEA N.M. County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3630' GR	

11. 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 ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

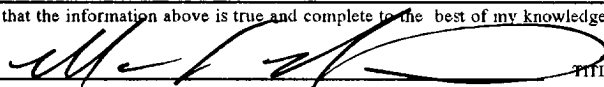
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. 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.

- 1) MIRU PULLING UNIT NU B.O.P. POOH W/ 129 JTS 2-3/8" TBG & SUMMERGIBLE PUMP
- 2) RIH W/ 5" CIBP ON TBG, SET CIBP @ 4043', CAP W/ 25 SX CMT
- 3) PERF 4 HOLES @1920', SET CIBP @ 1820', SQZ. 25 SX CMT UNDER RET, CAP W/ 25 SX CMT
- 4) PERF 4 HOLES @ 304', SQZ. W/ 75 SX CMT, DISP. TOC. TO 204' (WOC & TAG)
- 5) SPOT 25 SX CMT 50'-SURF.
- 6) INSTALL DRY HOLE MARKER

**** NOTIFY OCD 24 HRS PRIOR TO RIGGING UP ****

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

SIGNATURE  TITLE **P&A SUPERVISOR** DATE **10/21/97**
TYPE OR PRINT NAME **MARC L. NEATHERLIN** TELEPHONE NO. **505-392-6969**

(This space for State Use)

ORIGINAL SIGNED BY CHRIS WILLIAMS
DISTRICT I SUPERVISOR

OCT 21 1997

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

JCS

dp

SHELL WESTERN E & P, INC.

WELL PULLING REPORT

FIELD HOBBS LEASE N H U WELL# 34-331 DATE 2-25-89

RODS: NO.	SIZE	GRADE	SUBS
NO.	SIZE	GRADE	SUBS
NO.	SIZE	GRADE	SUBS

TBG: NO. 129 SIZE 2 3/8 GRADE _____ THD. _____ SUBS _____

MUD ANCHOR: SIZE _____ LENGTH _____

TUBING ANCHOR: SIZE _____ JTS ABOVE SN _____

API PUMP DESCRIPTION: 341 stage AN900 w/51 HP DEPTH SNC 3918

GAS ANCHOR: SIZE _____ LENGTH _____

WELLHEAD DESCRIPTION: FLANGE SIZE: 6" 900 OTHER Huber Type SM Peckoff Flange

CONDITIONS FOUND UPON PULLING

PUMP:	RODS:	SIZE:	DEPTH:
___ STUCK	___ BODY BREAK	___ "	___ RODS DOWN
___ SCALE	___ BOX BREAK	___ "	___ RODS DOWN
___ PARAFFIN	___ PIN BREAK	___ "	___ RODS DOWN
___ WORN	___ POLISH ROD	___ "	
___ PARTED			

TUBING:	FAILURE DEPTH:	SUBMERSIBLE PUMP: FAILED PART
___ PIN HOLE	___ JTS ABOVE SN	MOTOR _____
___ SPLIT JT	___ JTS ABOVE SN	CABLE _____
___ LOOSE COLLAR	___ JTS ABOVE SN	PUMP _____
___ PARTED	___ JTS ABOVE SN	OTHER _____

REMARKS: CHANGE WELL FROM PUMPING WELL TO
SUBMERSIBLE

REMEDIAL COST ESTIMATE

CONTRACTOR: X-Pert

OPERATOR: _____

UNIT NO. <u>1</u>	HRS <u>30</u>	@ \$ <u>8990</u> /HR	\$ <u>2862.14</u>
EXTRA LABOR: NO. OF MEN _____	HRS _____	@ \$ _____/HR	\$ _____
OTHER SPEC. EQUIP. _____	HRS _____	@ \$ _____/HR	\$ _____

TOTAL \$ _____

FOREMAN: Paul J. [Signature]JOB TYPE: R & R _____ R & M X

REMEDIAL PROGNOSIS
NORTH HOBBS G/SA UNIT
NORTH HOBBS FIELD
WELL NO. 34-331
LEA COUNTY, NEW MEXICO

CURRENT STATUS:

Producing from SA 1 A&B, and SA 2 C at a daily rate of 39 BO, 596 BW and 30 MCF with a FAP = 1998'. Beam = 456.

OBJECTIVE:

Run production log to identify fluid entry.

AFE DATA:

WO #:

Estimated Costs: \$8,000

Type: R&R

SWEPI's Share: \$2,000

PERTINENT DATA:

KB: 3641'

Location: 2310' FEL & 1980' FSL
Section 34, T18S, R38E

GL:

TD: 4245'

Well Zone #: 75311

PBTD: 4245'

CASING DATA:

SIZE	WEIGHT/FT	DEPTH
12 1/4"	50#	254'
7"	22#	4055'
5"	13#	4214'

PERFORATION DATA:

ZONE	SUB_ZONE	INTERVAL	DENS (SPF)	STATUS
Gry	L	4062'-4100'	4	Squeezed
SA 1	A	4118-26'	2	Open
	B	4126-44'	4	Open
SA 2	C	4160-92'	4	Open
		4198-4202'	4	Open
		4206'	2	Open
SA 3U	E?	4214-45'	OH	Open

RECOMMENDED PROCEDURE:

1. MIRU. Unseat pump and POOH with equipment. NU BOP. Release AC and POOH. RIH with tubing to 4025'. ND BOP. NU dual wellhead. RIH with production equipment. RTP. RD PU. Wait until production stabilizes before next step.

*****SHOOT FL BEFORE LOGGING*****

COMPLETION DATE 3-35 NHU SECTION 34 # 331 COMPLETION INTERVAL: 4136-44'
 RECOMPLETION DATE _____ (SAME DAY TURNER A #1) 4176-42, 4178-43
 LOCATION 1980' FSL & 2310' FEL SECTION 34-J BLOCK _____
 SURVEY T-18-S, R-34-E COUNTY Lee County, Wm.
 DATUM 3641' (DF) G.L. ELEV. _____ TD 4245' PSTD 4245'
3630 STRAWT+25 MAP DATUM

CASING RECORD						*CALCULATED AT 50% EFFICIENCY		LOGGING RECORD			
SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE	DATE	CO.	TYPE	INTERVAL		
12 1/2"	50 #	254'	200 SK	Circ #	16" #	2-53		Temp.			
7"	22 #	4055'	500 SK	1031 #	8 3/4" #	11-80	WELP	GR-NL	4245-2000		
5"	13 #	4214'	370 SK	2200/CBL	6 1/4" #			CBL/CCL	4116-2500		
						2-82		AMP RMB			

LOG TOPS			PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW			
ZONE	TOP	SUBSEA	DATE	ZONE	DEPTHS	DENS & SZ
GU	4010	-380	3-35		* 4053-4215'	OH
GL	4096	-466	12-14-50	I	4136-44'	(4 JSPF) 24 holes
SAI	4104	-474	5-10-55	II	4176-92'	(4 JSPF) 64 holes
II	4153	-523	5-10-55	III	4198-4202'	(4 JSPF) 16 holes
III	4203	-573	11/80	IV	4202-4204 4160-734112-2	2 JSPF
			11/80		4214 - 4245'	OH

SQUEEZE & REPAIR			
DATE	DEPTH	WORK DONE	
5/55		Perforated & sized .85 SX CMT. into 4100x44'	
		To reduce GOR, gas was still excessive	
		so pk. was set @ 4157'	
		Ran 5' to replace coil 7"	
GOC			
OWC	4244	-614	

STIMULATION					
DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3-23-35		2000g.	AT 4053-4215'		
3-23-35		4000g.	AT 4053-4215'		
5-11-55		500g. 15% NEA	AT 4176-4202'		
11-80	SA	4000g 15%	AT		34-52
7/82	3J	1000g 15%			
7/82	2	2000g 15%			
7/82	2	1000g 15%			

TO 4245'

SA I
 41:8-44'
 41:8-44'
 41:8-44'
 41:8-44'
 41:8-44'
 41:8-44'
 41:8-44'

OPT _____ DATA AVAILABLE ☐ DST ☐ CORB ☐ PVT ☐ OTHER ☐

REMARKS: 12/50: Ran 5" csg. To replace bad 7" csg.
 5/55: Set pk. below gas zone & above oil zone To reduce GOR (set @ 4157')

FROM TO FORMATION

0 39 Gyp shells
 39 228 Sand, lime shells, & gyp
 228 380 Red bed - Surface Pipe at 254
 380 1080 Red bed, shells, gyp
 1080 1240 Shale & shells
 1240 1418 Red bed & shells
 1418 1430 Shale & hard shells
 1430 1634 Shale & anhydrite
 1634 1853 Anhydrite
 1853 1870 Salt
 1870 2532 Salt & anhydrite
 2532 2654 Salt, shale, shells
 2654 2697 Anhydrite & shale
 2697 2972 Anhydrite
 2972 2980 Anhydrite & gypsum ✓
 2980 2983 Gas sand
 2983 3357 Anhydrite & bkn. lime
 3357 3400 Red beds & anhydrite
 3400 3435 Anhydrite & lime
 3435 3510 Anhydrite
 3510 3548 Anhydrite & lime - show gas 3510-20
 3548 3564 Anhydrite, red beds, & lime X
 3564 3587 Bkn. Lime & anhydrite
 3587 3925 Anhydrite, lime, shale
 3925 3955 Anhydrite & lime - show gas
 3955 3969 Brown lime - show oil & gas ✓
 3969 3974 Anhydrite
 3974 4031 Lime & anhydrite
 4031 4075 Sandy lime ✓
 4075 4095 Brown sandy lime -
 4095 4102 Grey sandy lime
 4102 4110 Sandy lime
 4110 4130 White crystalline lime
 4130 4183 Saturated lime - Top Pay 4135
 4183 4180 Brown lime - soft, saturated
 4180 4185 Light Brown ls. - hard: show oil
 4185 4180 " " " soft: saturated stained
 4180 4170 " " " hard: Oil stained
 4170 4183 Brown ls. Soft, saturated
 4183 4189 Saturated ls.
 4189 4195 Hard lime shells, thin breaks soft lime.
 4195 4202 Soft brown lime
 4202 4205 Hard lime
 4205 4215 Lime - From 4195 to 4215 drilled 8" per hr. Not much change in hardness.
 4215 T.D.

2790
 2654
 2972

MINERAL ANALYST

ANALYST'S REPORT ON SAMPLE NO. 1000

Field to Rock

