

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECE

JAN 08

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
MDA 701-98-0013, Tract 4

6. If Indian, Allottee or Tribe Name
Jicarilla Apache

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
Jicarilla 29-02-09 #143

9. API Well No.
30-039-30080

10. Field and Pool, or Exploratory Area
**La Jara Canyon Tertiary
East Blanco Pictured Cliffs
Rio Arriba County, New Mexico**

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

2. Name of Operator
Black Hills Gas Resources, Inc. c/o Mike Pippin LLC (Agent)

3a. Address
3104 N. Sullivan, Farmington, NM 87401

3b. Phone No. (include area code)
505-327-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**500' FSL & 1650' FEL Unit O
Sec. 9, T29N, R02W**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
☒ Notice of Intent	☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair ☐ New Construction ☒ Recomplete ☒ Other Open Tertiary To Production
	☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon
	☐ Convert to Injection ☐ Plug Back ☐ Water Disposal

13 Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Black Hills would like to recomplete into the Tertiary as follows: MIRUSU. TOH w/tbg. Set a 7" RBP @ about 1600'. Perf several Tertiary intervals between about 1227'-1348'. Treat perms w/about 1000 gal 15% HCL acid. Frac new perms w/about 80,000# 16/30 polar prop in 75Q N2 slick foam. CO to RBP. Retrieve RBP & TOH. Run tbg & complete as a commingled PC/Tertiary well. The commingle applications are pending.

RCVD JAN 12 '10
OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Mike Pippin	Title Petroleum Engineer (Agent)
Signature <i>Mike Pippin</i>	Date January 8, 2010

THIS SPACE FOR FEDERAL OR STATE USE

Approved by Original Signed: Stephen Mason	Title	Date JAN 11 2010
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

NMOCD

Jicarilla 29-02-09 #143
CURRENT Wellbore Diagram

API # 30-039-30080
 SW SE, Sec 09, T29N, R2W Rio Arriba, NM

GL = 7365
 KB = 7378

1/7/2010

SURF CASING

13 3/8" 48 # J-55 casing @ 264'
 TOC surf.

TOC = 300' CBL 9-17-08

Calc TO 50/50 POZ = 2046'
 DV Tool @ 2300'

TOC = 2385' CBL 9-17-08

PROD CASING

7", 23#, J-55 casing @ 4868',
 DV tool @ 2300'. 1.9" parasite
 string from surf to 2564'. Incl:
 @ shoe = 86 deg Cmt'd Stg1
 w/400 sx 50/50/3 POZ. & Stg 2
 w/ 660 3% Econolite + 100 sx
 50/50/3 POZ. Circ some chem
 wash but no cement after 1st
 Stg. circ 40 bbl to surf from
 Stg2.

TUBING DETAIL:

146 jts 2 3/8", 4.7#, J-55 tbg with
 Floating Seal Assembly

EOT 4774'

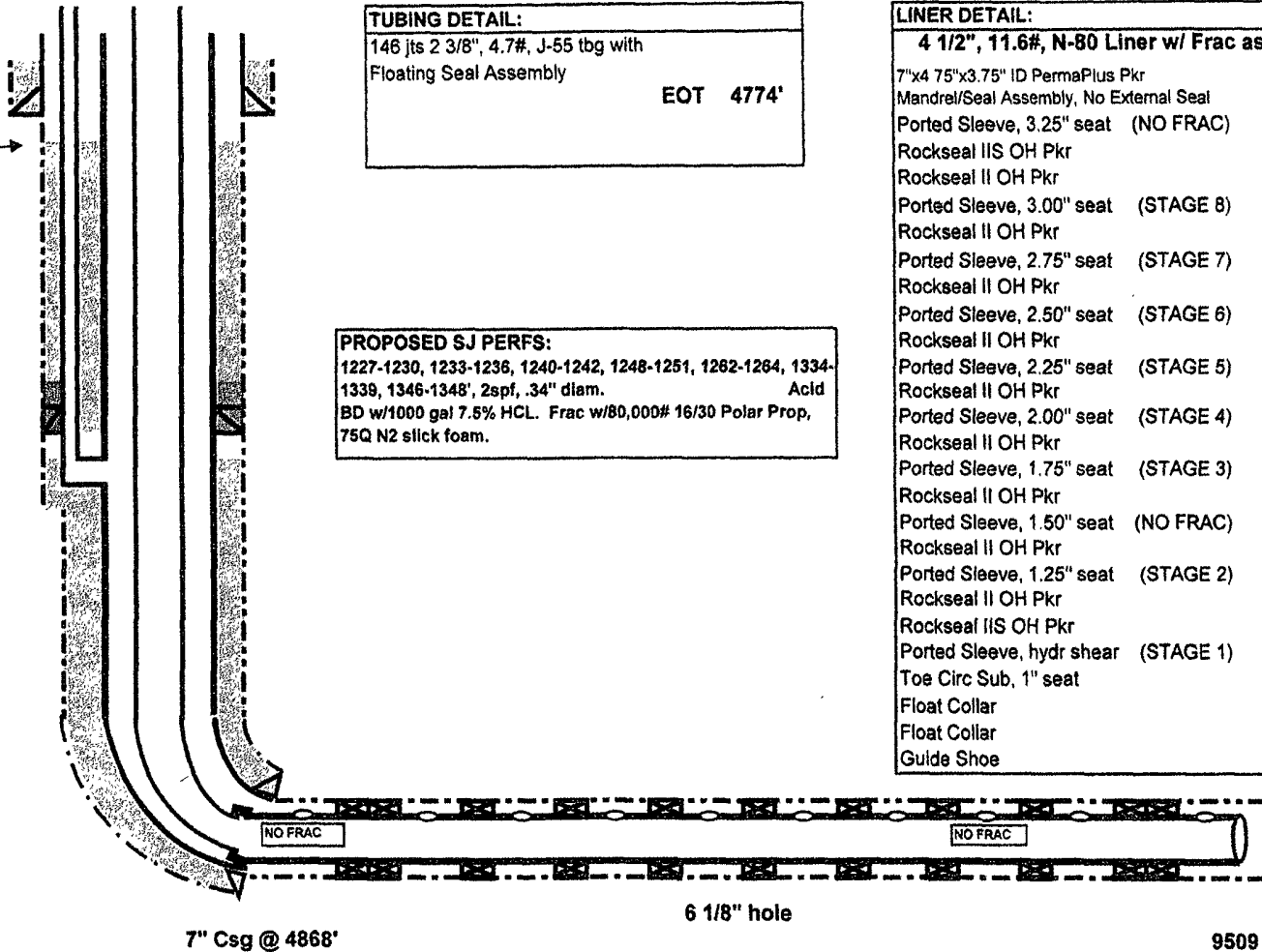
PROPOSED SJ PERFS:

1227-1230, 1233-1236, 1240-1242, 1248-1251, 1262-1264, 1334-
 1339, 1346-1348', 2spf, .34" diam. Acid
 BD w/1000 gal 7.5% HCL. Frac w/80,000# 16/30 Polar Prop,
 75Q N2 slick foam.

LINER DETAIL:

4 1/2", 11.6#, N-80 Liner w/ Frac assembly:

7"x4 75"x3.75" ID PermaPlus Pkr	4758
Mandrel/Seal Assembly, No External Seal	
Ported Sleeve, 3.25" seat (NO FRAC)	4992
Rockseal IIS OH Pkr	5166
Rockseal II OH Pkr	5182
Ported Sleeve, 3.00" seat (STAGE 8)	5442
Rockseal II OH Pkr	5737
Ported Sleeve, 2.75" seat (STAGE 7)	5993
Rockseal II OH Pkr	6289
Ported Sleeve, 2.50" seat (STAGE 6)	6544
Rockseal II OH Pkr	6837
Ported Sleeve, 2.25" seat (STAGE 5)	7097
Rockseal II OH Pkr	7391
Ported Sleeve, 2.00" seat (STAGE 4)	7648
Rockseal II OH Pkr	7946
Ported Sleeve, 1.75" seat (STAGE 3)	8206
Rockseal II OH Pkr	8462
Ported Sleeve, 1.50" seat (NO FRAC)	8639
Rockseal II OH Pkr	8772
Ported Sleeve, 1.25" seat (STAGE 2)	8947
Rockseal II OH Pkr	9122
Rockseal IIS OH Pkr	9136
Ported Sleeve, hydr shear (STAGE 1)	9312
Toe Circ Sub, 1" seat	9483
Float Collar	9486
Float Collar	9494
Guide Shoe	9496





GAS SPECTRUM LOG PROCESSED DATA FINAL PRINT

Company BLACK HILLS GAS RESOURCES
Well JICARILLA 29-02-09 #143
Field EAST BLANCO P.C.
County RIO ARRIBA
State NEW MEXICO

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Well JICARILLA 29-02-09 #143
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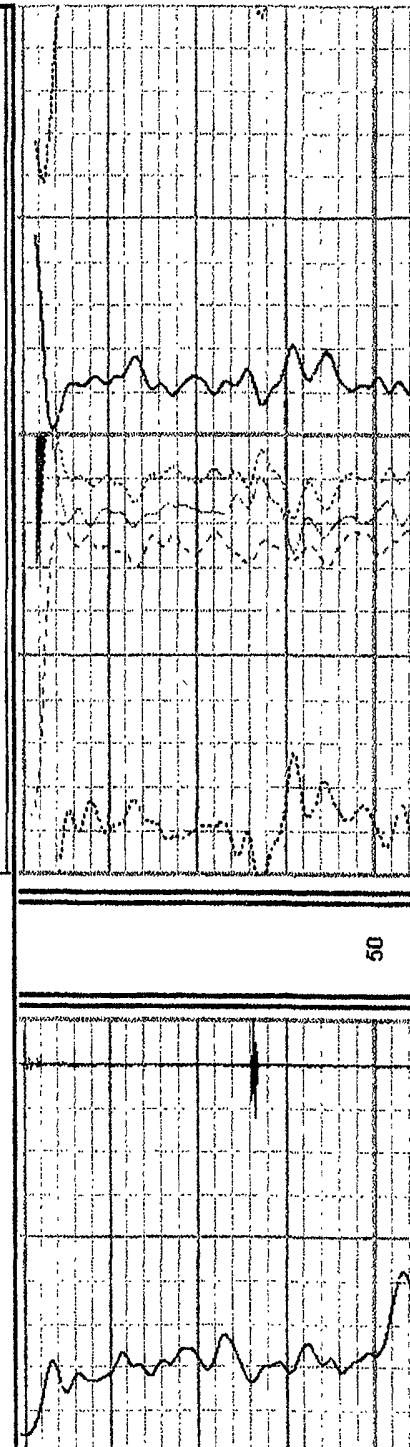
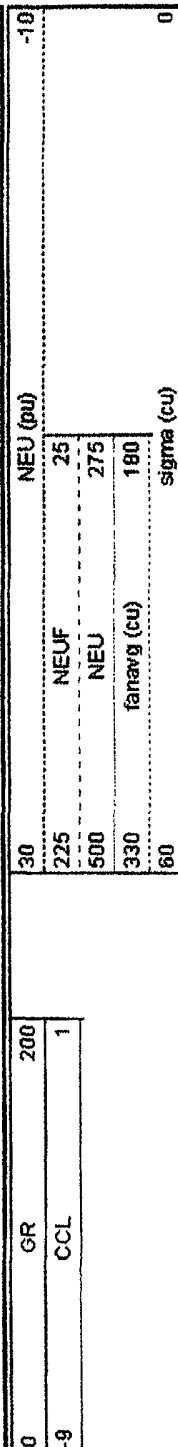
Location: API #: 30-039-30080
500' FSL & 1850' FEL
Other Services
SEC 09 TWP 29N RGE 02W
Permanent Datum G.L. Elevation 7365'
Log Measured From RKB 13' K.B. 7378
Drilling Measured From RIG KELLY BUSHING D.F. 7377
G.L. 7365

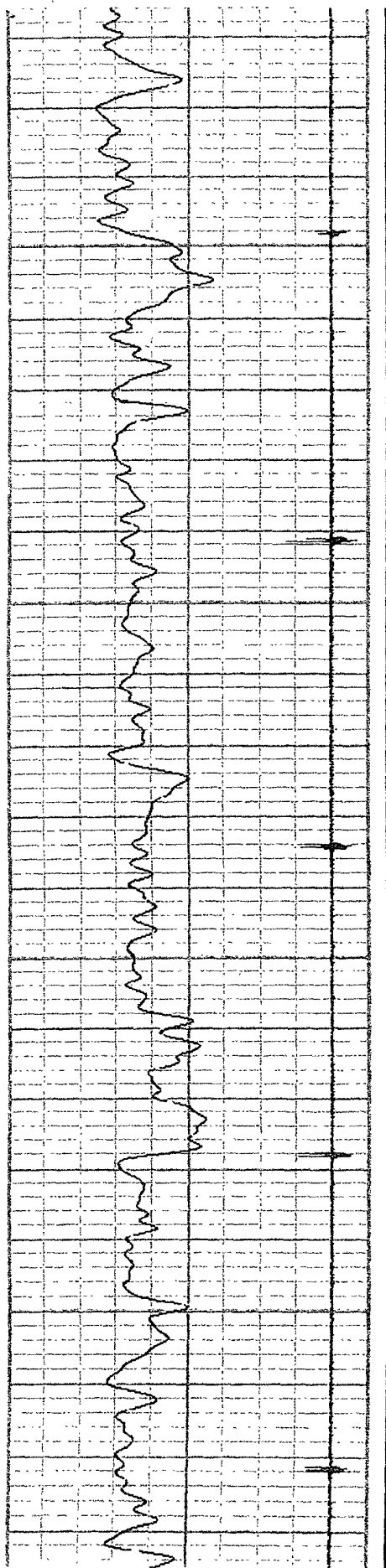
Date	9/17/08
Run Number	ONE
Depth Driller	9642
Depth Logger	3577
Bottom Logged Interval	3577
Top Log Interval	SURF.
Open Hole Size	9-5/8"
Type Fluid	H2O
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	
Time Well Ready	09:00
Time Logger on Bottom	09:30
Equipment Number	D-8 SDS GSL 1
Location	FRM
Recorded By	T. LUTHER
Witnessed By	MR. MIKE ROMMO

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13 3/8"	48# J-55	SURF.	264
Prot. String				
Production String	7"	23# J-55	SURF.	4868
Liner				

Database File: bikhilljic2929143fcgsl.db
Dataset Pathname: fieldfwellic29/run1/pass4.7ud
Presentation Format: gsisigma
Dataset Creation: Wed Sep 17 19:27:26 2008 by Calc Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240



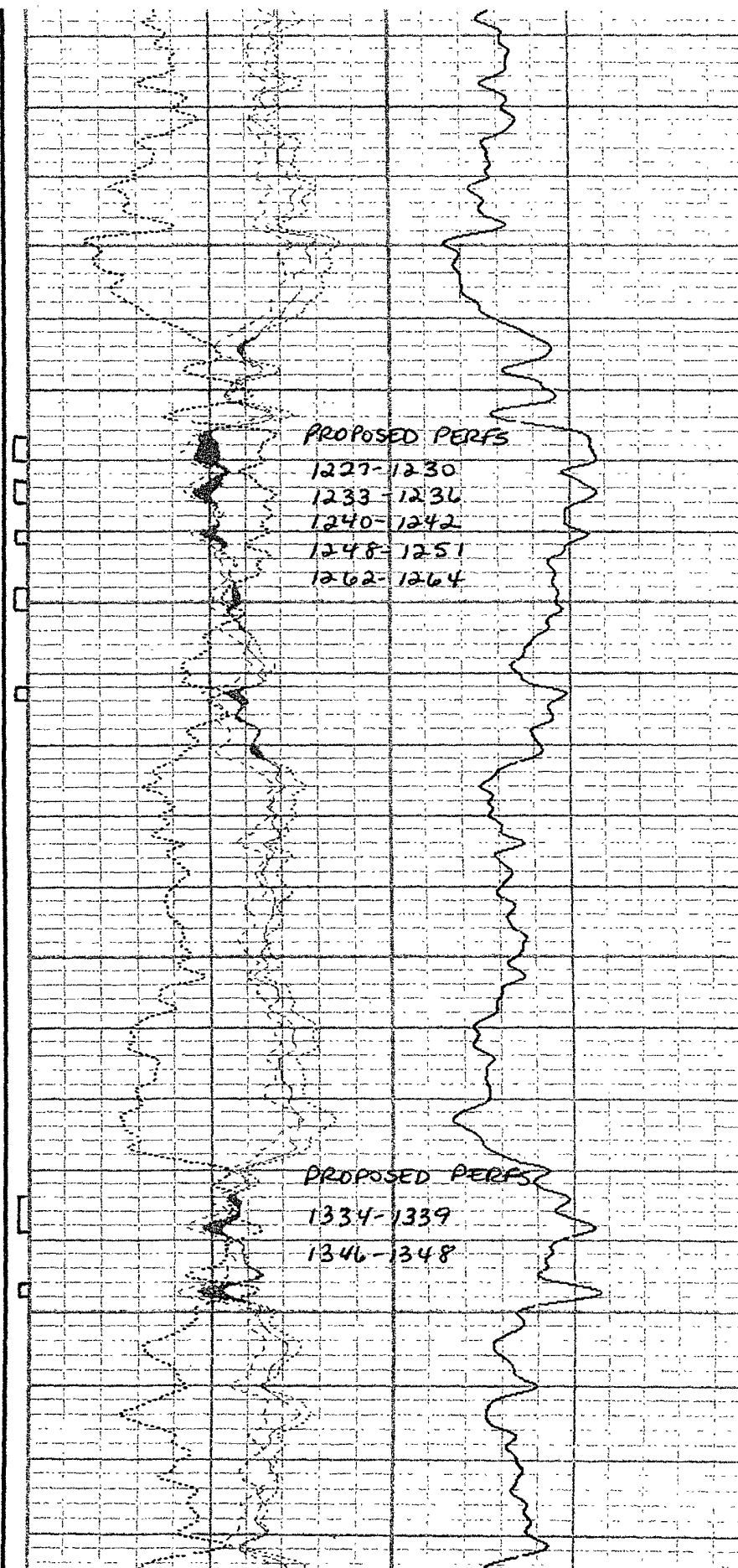


1200

1250

1300

1350



PROPOSED PERFS

1227-1230

1233-1236

1240-1242

1248-1251

1262-1264

PROPOSED PERFS

1334-1339

1346-1348