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Farmington Field Office
Bureau of Land Management

RCVD AUG 5 '14
OIL CONS. DIV.
DIST. 3

Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. **I-89-IND-58**

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☑ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr,.
Other **Helium**

6. If Indian, Allottee or Tribe Name **Navajo Nation**

7. Unit or CA Agreement Name and No.

2. Name of Operator **Vision Energy Group, LLC.**

8. Lease Name and Well No. **Hogback 12#34**

3. Address **39 Old Ridgebury Road, DANBURY CT 06810**

3a. Phone No. *(include area code)* **203-837-2538**

9. AFI Well No. **30-045-35403**

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface **500' FSL & 1700' FEL**

CONFIDENTIAL

At top prod. interval reported below ~~6466' RKB~~

At total depth ~~7450'~~ SAME

10. Field and Pool, or Exploratory **Hogback Penn & WC Leadville**

11. Sec., T., R., M., on Block and Survey or Area **SWSE 12-29N-17W NMPM**

12. County or Parish **San Juan**

13. State **NM**

14. Date Spudded **10/10/2013**

15. Date T.D. Reached **11/04/2013**

16. Date Completed **04/05/2014** ☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)* **5129'RKB**

18. Total Depth: MD **7450'** TVD **7450'**

19. Plug Back T.D.: MD **7136 RKB** TVD **7136 RKB**

20. Depth Bridge Plug Set: MD **7190 RKB** TVD **7190 RKB**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

Diecl, Image, Por, Resist, Resist-Por, Reson, Sonic, Spectralog, CBL

22. Was well cored? ☐ No ☑ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	**133/8J55**	**48 #**	**5116 GL**	**127 GL**		**165 Type 111**	**40.55**	**Cir**	**Conductor 0**
12 1/4"	**95/8 J55**	**40 #**	**5128 KB**	**1154 GL**		**581 Type 111**	**142.79**	**CBL**	**Surface**
7 7/8"	**51/2P110**	**17 #**	**5128 KB**	**7433 GL**	**2913 GL**	**2182 Type111**	**536**	**Cir, CBL**	**100000**

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	**6528.03**	**6428.23**	**4.892**					

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) **Barker Creek Combined**	**6719**	**6906**	**6733-6745; 6849 - 6864**	**.38**	**87**	**6733-45 Open; 6849 -64 C**
B) **Akah**	**6444**	**6627**	**6733-45,6514-18;6542-50.**	**.38**	**111**	**Open**
C)			**84, 6592-6600**			
D) **Upper Barker Creek**	**6719**	**6758**	**6733 6745**	**.38**	**36**	**Open**

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
6849-6864; 6733-6745	**15% HCL Acid; 11/26/2013**
6733 - 6745	**37.3k # 20/40 sand, 456 barrels of water; 456 barrels of CO2;**
6733-45,6514-18;6542-50.6576-	**Acidized bottom three zones of Akah first with 3000 gallons of HCl; 12/05/13; 1300 gallons top 2 zones; 12/05/13**
84, 6592-6600	**Fracture total perforated Intervals of Akah; 82.8k # 20/40 sand; 917 barrels of water; 996 barrels of CO2**

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/26/2013	**11/26/2013**	**36**	→	**0**	**991**	**1087**	**0**	**1.3542**	**Flowing and Swabbing**
Choke Size	**Tbg. Press. Flwg.**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
16/64	**SI 500**	**0**	→	**0**	**644**	**819**	**0**	**CIBP set over Lower Barker Creek @ 6830, Evaluating**	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/05/2013	**11/05/2013**	**38**	→	**47**	**4020**	**994**	**42**	**1.0967**	**Flowing**
Choke Size	**Tbg. Press. Flwg.**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
20/64	**SI 170**	**0**	→	**38**	**563**	**428**	**14.81**	**Shut In Well**	

(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

AUG 01 2014

FARMINGTON FIELD OFFICE
BY: TL Salyers

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28b. Production - Interval C

Date, First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/20/2014	03/20/2014	50	→	36	1582	246	42	1.234	Flowing, Upper Barker Creek
Choke Size	**Tbg. Press. Flwg.**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
20	SI 100	0	→	25	726	87	29.04	Set Composite Bridge plug at 6705 for evaluation	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/01/2014	04/01/2014	77	→	72	1961	2851	42	1.0967	Flow Akah after Frac,
Choke Size	**Tbg. Press. Flwg.**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
38/64	SI 350	0	→	68	671	951	83.87	Akah after frac, Shut in for evaluation and work 07/2014	

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*

Vented to date

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Dakota- 844; Cutler 3981'; Akah-6426; Molas 7030

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Tocito	**130**	**302**	**SANDSTONE to SANDY Siltstone**	**Mudlog Report**	**130**
Dakota	**844**	**1075**	**SANDSTONE**	**Mudlog Report**	**844**
Morrison	**1075**	**1505**	**Mudstone and Sandstone**	**Mudlog Report**	**1075**
Entrada	**2104**	**2731**	**Sandstone**	**Mudlog Report**	**2104**
Cutler Group	**3981**	**5501**	**Sandstone, Siltstone, Mudstone & shaly Limestone**	**Mudlog Report**	**3981**
Akah	**6444**	**6627**	**Limestone**	**Mudlog Report**	
Akah	**6468**		**6468; brn ls, calc, xln, ox spt, por, mott brt grn flu, org cut**	**Side wall Rotary Core**	**6468**
Akah	**6524**		**gry ls, calc, qtz nod,blk nods, slt xln, brt blu stp flu brt org cut**	**Side wall rotary Core**	**6524**
Barker Creek	**6742**		**v lt gry ls, calc, slt xln, por, blk inc, brt grn mott flu, lt org cut**	**Side Wall rotary Core**	**6742**
Leadville	**7221**		**tan ls, calc, xln, foss, brt blu mott flu, yel cut**	**Side Wall rotary Core**	**7221**
Leadville	**7223**		**tan ls, calc, xln, foss, brt blu mott flu, yel cut**	**Side Wall rotary Core**	**7223**

32. Additional remarks (include plugging procedure):

We have started the last phase of testing, which we have submitted our Notice of Intent forms to complete the work. We are going to run a gas lift system on the Hogback Deep 12-34 on or around August 28th. We will at that time submit an addendum to the final completion reports with a current well schematic, flow test reports for gas, oil and water. Working Log Sheets also attached.
***** We did perforate the Leadville formation at perforation intervals 7214 - 7226', .38 size; 39 holes; Formation interval produced all water, with only a slight show of gas per hour, 18 mcf, Total Water flow in 12 hours was 385 barrels of water at 35 pounds on tubing 0 casing pressure. Set cast iron bridge plug at 7190 and pressure tested to 1025 pounds, before shooting Barker Creek. After testing Barker Creek formation, Bailed 54' of cement on CIBP at 7190 12/02/2013.**

33. Indicate which itmes have been attached by placing a check in the appropriate boxes:

☑ Electrical/Mechanical Logs (1 full set req'd.) ☑ Geologic Report ☐ DST Report ☑ Directional Survey
☐ Sundry Notice for plugging and cement verification ☑ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* **Dan Dalton** Title **Completion Engineer**

Signature Dan Dalton Date **07/30/2014**

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make 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.