

District I - (505) 393-6161  
1625 N. French Dr  
Hobbs, NM 88241-1980  
District II - (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV - (505) 827-7131

New Mexico  
Energy Minerals and Natural Resources Department  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Form C-142  
Date 06/99

SUBMIT ORIGINAL  
PLUS 2 COPIES  
TO THE SANTA FE  
OFFICE

APPLICATION FOR NEW WELL STATUS

SEP 27 1999

I. Operator and Well

Operator name & address EnerQuest Resources, LLC P. O. Box 11150, Midland, TX 79702							OGRID Number 160620	
Contact Party Robert W. Floyd							Phone 915 685-3116	
Property Name Samuel Cain					Well Number 6		API Number 30 025 34610	
UL K	Section 30	Township 18S	Range 39E	Feet From The 1650	North/South Line south	Feet From The 2310	East/West Line west	County Lea

II. Date/Time Information

Spud Date 5-28-99	Spud Time 2:30 pm	Date Completed 6-16-99	Pool East Hobbs (San Andres)
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III. Attach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling commenced and Form C-105 or Federal Form 3160-4 showing well was completed as a producer.

IV. Attach a list of all working interest owners with their percentage interests.

V. AFFIDAVIT:

State of Texas )

ss.

County of Midland )

Robert W. Floyd being first duly sworn, upon oath states:

- I am the Operator, or authorized representative of the Operator, of the above-referenced well.
- To the best of my knowledge, this application is complete and correct.

Signature Robert W. Floyd Title President Date 9-02-99

SUBSCRIBED AND SWORN TO before me this 2nd day of September

Sheep L. Heatherley  
Notary Public

My Commission expires: 5/5/2001

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a New Well. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval.

Signature <u>Mark Kelly</u>	Title <u>P.E. Spec.</u>	Date <u>SEP 28 1999</u>
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SEP 28 1999

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

NOTICE: The operator must notify all working interest owners of this New Well certification.

PVZV2006632780

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

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

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

## OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-34610

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. 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.)

1. Type of Well:

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

2. Name of Operator

EnerQuest Resources, LLC

3. Address of Operator

P. O. Box 11150, Midland, TX 79702

7. Lease Name or Unit Agreement Name

Samuel Cain

8. Well No.

6

9. Pool name or Wildcat

East Hobbs (San Andres)

4. Well Location

Unit Letter K : 1650 Feet From The south Line and 2310 Feet From The west Line

Section 30

Township 18S

Range 39E

NMPM

Lea

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3603 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: ☐

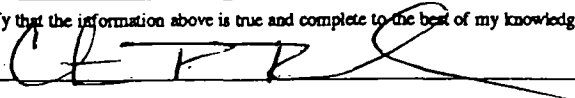
12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

5-28-99: Spud 12 $\frac{1}{4}$ " hole @ 2:30 pm MST.

5-30-99: TD surf hole @ 1918' KB. RIH w/44 joints of new 8 5/8" 24 lb/ft J-55 ST&C csg. Ran 1923.07' overall, set @ 1918' KB. Rig up Halliburton to cement. Cmt w/ 580 sks Halliburton Light Premium Plus + 0.25 lb/sk flocele. Tail in w/245 sks Premium Plus + 2% CaCl<sub>2</sub> + 0.25 lb/sk flocele. Plug down @ 10:00 am MST. WOC total of 12 hrs prior to drill out. NUBOP & pressure test to 1000 psi ok.

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

SIGNATURE



TITLE

Engineer

DATE 06-01-99

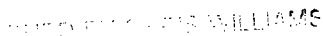
TYPE OR PRINT NAME

Christopher P. Renaud

TELEPHONE NO. 915 6853116

(This space for State Use)

APPROVED BY



TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
**DISTRICT I**  
P.O. Box 1980, Hobbs, NM 88240

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

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-105  
Revised 1-1-89

WELL API NO.

30-025-34610

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well:

OIL WELL ☒

GAS WELL ☐

DRY ☐

OTHER ☐

b. Type of Completion:

NEW  
WELL ☒

WORK  
OVER ☐

DEEPEN ☐

PLUG  
BACK ☐

DIFF  
RESVR ☐

OTHER ☐

7. Lease Name or Unit Agreement Name

Samuel Cain

8. Well No.

6

9. Pool name or Wildcat

East Hobbs (San Andres)

1. Name of Operator  
EnerQuest Resources, LLC

2. Address of Operator

P. O. Box 11150, Midland, TX 79702

4. Well Location

Unit Letter K : 1650 Feet From The south Line and 2310 Feet From The west Line

Section 30 Township 18S Range 39E NMPM Lea County

10. Date Spudded  
5-28-99

11. Date T.D. Reached  
6-04-99

12. Date Compl. (Ready to Prod.)  
6-16-99

13. Elevations (DF & RKB, RT, GR, etc.)  
3603'

14. Elev. Casinghead  
3603'

15. Total Depth  
4625'

16. Plug Back T.D.  
4622'

17. If Multiple Compl. How  
Many Zones?

18. Intervals  
Drilled By

Rotary Tools  
☒

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name  
4531' - 4614' (San Andres)

20. Was Directional Survey Made  
No

21. Type Electric and Other Logs Run  
GR-CNL-LDT-DLL-MSFL

22. Was Well Cored  
No

**CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	1918'	12 1/4"	825 sks "C"	0
5 1/2"	15.50	4625'	7 7/8"	585 sks "C"	0

**24. LINER RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

**25. TUBING RECORD**

SIZE	DEPTH SET	PACKER SET
2 7/8"	4595'	NA

26. Perforation record (interval, size, and number)

4531 - 4614, 0.5", 47 perfs

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4574 - 4614	1,250 gals 15% NEFE HCL
4531 - 4565	1,250 gals 15% NEFE HCL

**28. PRODUCTION**

Date First Production 6-17-99		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping, 1 1/2" Insert				Well Status (Prod. or Shut-in) Prod	
Date of Test 6-21-99	Hours Tested 24	Choke Size NA	Prod'n For Test Period	Oil - Bbl. 15	Gas - MCF 13	Water - Bbl. 92	Gas - Oil Ratio 867:1
Flow Tubing Press. NA	Casing Pressure 18 psi	Calculated 24-Hour Rate	Oil - Bbl. 15	Gas - MCF 13	Water - Bbl. 92	Oil Gravity - API - (Corr.) 31	

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

Sold to GPM

Test Witnessed By

Jerry Guy

30. List Attachments

GR-CNL-LDT-DLL-MSFL logs, Deviation Survey

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Printed  
Name

Christopher P. Renaud

Title Vice President

Date 6-22-99

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

### Southeastern New Mexico

T. Anhy 1851 T. Canyon \_\_\_\_\_  
 T. Salt \_\_\_\_\_ T. Strawn \_\_\_\_\_  
 B. Salt \_\_\_\_\_ T. Atoka \_\_\_\_\_  
 T. Yates 3015 T. Miss \_\_\_\_\_  
 T. 7 Rivers 3483 T. Devonian \_\_\_\_\_  
 T. Queen 3718 T. Silurian \_\_\_\_\_  
 T. Grayburg 4278 T. Montoya \_\_\_\_\_  
 T. San Andres 4439 T. Simpson \_\_\_\_\_  
 T. Glorieta \_\_\_\_\_ T. McKee \_\_\_\_\_  
 T. Paddock \_\_\_\_\_ T. Ellenburger \_\_\_\_\_  
 T. Blinebry \_\_\_\_\_ T. Gr. Wash \_\_\_\_\_  
 T. Tubb \_\_\_\_\_ T. Delaware Sand \_\_\_\_\_  
 T. Drinkard \_\_\_\_\_ T. Bone Springs \_\_\_\_\_  
 T. Abo \_\_\_\_\_ T. \_\_\_\_\_  
 T. Wolfcamp \_\_\_\_\_ T. \_\_\_\_\_  
 T. Penn \_\_\_\_\_ T. \_\_\_\_\_  
 T. Cisco (Bough C) \_\_\_\_\_ T. \_\_\_\_\_

### Northwestern New Mexico

T. Ojo Alamo \_\_\_\_\_ T. Penn. "B" \_\_\_\_\_  
 T. Kirtland-Fruitland \_\_\_\_\_ T. Penn. "C" \_\_\_\_\_  
 T. Pictured Cliffs \_\_\_\_\_ T. Penn. "D" \_\_\_\_\_  
 T. Cliff House \_\_\_\_\_ T. Leadville \_\_\_\_\_  
 T. Menefee \_\_\_\_\_ T. Madison \_\_\_\_\_  
 T. Point Lookout \_\_\_\_\_ T. Elbert \_\_\_\_\_  
 T. Mancos \_\_\_\_\_ T. McCracken \_\_\_\_\_  
 T. Gallup \_\_\_\_\_ T. Ignacio Otzte \_\_\_\_\_  
 Base Greenhorn \_\_\_\_\_ T. Granite \_\_\_\_\_  
 T. Dakota \_\_\_\_\_ T. \_\_\_\_\_  
 T. Morrison \_\_\_\_\_ T. \_\_\_\_\_  
 T. Todilto \_\_\_\_\_ T. \_\_\_\_\_  
 T. Entrada \_\_\_\_\_ T. \_\_\_\_\_  
 T. Wingate \_\_\_\_\_ T. \_\_\_\_\_  
 T. Chinle \_\_\_\_\_ T. \_\_\_\_\_  
 T. Permian \_\_\_\_\_ T. \_\_\_\_\_  
 T. Penn "A" \_\_\_\_\_ T. \_\_\_\_\_

### OIL OR GAS SANDS OR ZONES

No. 1, from 4447' to 4475' No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ feet  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet

### LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
SURF	1851	1851	Red beds				
1851	3015	1164	Anhy & salt				
3015	3116	101	sd, sh, anhy, salt				
3116	3483	367	anhy, salt, dol				
3483	3968	485	sd, anhy, sh				
3968	4278	310	anhy, sd				
4278	4412	134	anhy, dol, sh				
4412	4439	27	sd, dol				
4439	4625	186	dol				

PROPERTY	PROPERTY NAME	DECK	EFFECTIVE DATE	OWNER	OWNER NAME	D.D.I.	PREPAYMENT LEASE WELL	COST CTR.	AFIL CODE
NMSC -06	SAMUEL CAIN #6	1	06/01/99	9999803	CHRISTOPHER P RENAUD	0.04453125	NMSC -06	0	Y
QTR CPR - REST EQ - NO FLOYD/DUNN					P O BOX 11301 MIDLAND TX 79702				
				9999805	ENERQUEST OIL & GAS, LLC	0.49809375	NMSC -06	0	Y
				ALI2700	ERAM ALI	0.01250000	NMSC -06	0	N
					P O BOX 81052 MIDLAND TX 79708				
				CHR4300	DOUGLAS H. CHRISTENSEN	0.00625000	NMSC -06	0	N
					P O BOX 3790 MIDLAND TX 79702				
				CRU5900	CRUMP FAMILY PARTNERSHIP,LTD.	0.13250000	NMSC -06	0	N
					P O BOX 50820 MIDLAND TX 79710				
				DIN3900	DINGUS INVESTMENTS, INC.	0.09166670	NMSC -06	0	N
					P O BOX 11120 MIDLAND TX 79702				
				GOD7900	DAVID A. GODSEY	0.03987500	NMSC -06	0	N
					P.O. BOX 50671 MIDLAND TX 79710				
							Tax-id No: 458-06-0628		
				LON2700	LONE STAR OIL & GAS	0.00625000	NMSC -06	0	N
					A TEXAS CORPORATION P O BOX 2735 MIDLAND TX 79702				
				PAR5100	MATTHEW J. PARSLEY	0.06416665	NMSC -06	0	N
					MIDLAND TX				
				SMI8200	ARMAND SMITH, JR.	0.06416665	NMSC -06	0	N
					MIDLAND TX				
				TOD2500	TODD PERKINS OIL AND GAS, INC.	0.04000000	NMSC -06	0	N
					P O BOX 1109 INGRAM TX 78025-1109				
				*** DECK TOTAL	11 OWNERS	1.00000000			

## ENERQUEST RESOURCES, LLC

### DAILY COMPLETION REPORT

Well Name: Samuel Cain No. 6

Operator: EnerQuest Resources, LLC

Location: 1,650' FSL & 2,310' FWL  
Sec. 30, T-18-S, R-39-E  
Lea County, NM

PBTD: 4,622' KB

Elevation: 3,603' GL  
3,612' KB

Contractor: Pool Company  
Hobbs, NM

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#### 1999

06-05: Move out drilling rig. Level & clean up location. Fill in cellar. Weld on 5 1/2" bell nipple. Set safety anchors.

DWC: \$1,200

CWC: \$105,745

06-07: Material transfer from Rocket Cain No. 1 location used Churchill 228-173-100 pumping unit, Serial #H228-05862 w/30 HP electric motor. Prep to move tbg & rods from Rocket Cain No. 1 location & commence completion operations in am.

DWC: \$12,700

CWC: \$118,445

06-08: MIRUSU & NU tbg head & NUBOP. Spot reverse equipment. Strap in hole w/ 4 3/4" bit, bit sub, 6 - 3 1/2" DC, xover sub & 2 7/8" tbg. Tag up @ 4584'. Rig up reverse equip & commence drilling out rubber plug, float collar & 37' cmt to 4622'. Circ hole clean & then "pickle" tbg w/250 gals 15% HCL @ 1 BPM down & then back up thru tbg. Displace hole w/2% KCl wtr. Test csg to 1500 psi ok. TOH & release rental equipment. Secure well & SDON. Prep to log in am.

DWC: \$13,135

CWC: \$131,580

06-09: Rig up logging company & run GR-CBL-CCL from PBTD of 4,622' - 3,000'. Bond appears to be very good across pay interval and above. Found TOC @ approx 2500'. Rig down logging tools & rig up to perf. Perf following intervals w/1 SPF using 4" hollow carrier csg guns: 4609 - 4614 (6 holes), 4601 - 4605 (5 holes), 4592 - 4596 (5 holes), 4574 - 4580 (7 holes). Rig down & release wireline company. TIH w/ Baker 5 1/2" PPI tools & 2 7/8" tbg to 4423'. Hydro test tbg to 5000 psi below slips while tripping into hole ok. Secure well & SDON @ 3:30 pm CST. Prep to acidize & swab P-4 interval in am.

DWC: \$6,775

CWC: \$138,355

06-10: Set & test PPI tools @ 4,451' ok @ 3000 psi. Pumped thru ICV @ 125 psi. Fished ICV valve & drop new valve down tbg. New valve opens @ 1600# & closes @ 1000# ok. Check csg collars & float collar to get on depth w/ PPI tool across interval 4609-4614. Spot acid across all perfs. Set tools across interval 4609-4614. Could not get perfs to break down. Would pressure up as high as 2,300 psi & formation not taking fluid. Move tools to 4601-4605 & could not break down w/ acid. Unseat tools & tag PBTD & re-check csg collars. On depth ok. Pump thru ICV valve @ 1400 psi & 1 BPM ok. Reset tools to cover 4592-4596 interval & still could not break down perfs. Went to 3000 psi & could not break down perfs. DECISION MADE TO RE-PERFORATE IN ACID. Fish ICV valve. Pull tools to 4514'. Reverse out acid in tbg to pit. Strap out of hole w/tbg & tools. Rig up wireline to re-perf following intervals

Page 2  
EnerQuest Resources, LLC  
Samuel Cain No. 6  
1650' FSL & 2310' FWL  
Sec. 30, T-18-S, R-39-E  
Lea Co., NM

### DAILY COMPLETION REPORT

1999

- 06-10: (Cont.) w/ 1 SPF using 4" hollow carrier csg gun (21.9" penetration): 4609-14 (6 holes), 4601-05 (5 holes), 4592-96 (5 holes), 4574-80 (7 holes). Rig down wireline. TIH w/ Baker 5 1/2" PPI tools w/ 8' spacing & 2 7/8" tbg to 4423'. Secure well & SDON. Prep to acidize in am.  
DWC: \$3,495 CWC: \$141,850
- 06-11: Set & test PPI tools @ 4451' to 3000# ok. Unset tools & pump thru ICV valve @ 0#. Fish ICV valve & then pump 2nd ICV valve down w/ 2% KCl. Took 8 bbls to catch fluid (FL @ 1381'). ICV opens & closes ok. Get on depth & then straddle perfs @ 4609-14. Spot 15% NEFE HCL to tools & then put 1 bbl out in csg. Set tools across perfs @ 4609-14 & start PPI acid work as follows:  
4609-14 broke @ 1400# & put 6 bbls acid into zone @ 1/2 BPM & 1030 psi.  
4601-05 broke @ 1430# & put 4 bbls acid into zone @ 1/10 BPM & 1400 psi.  
4592-96 broke @ 1420# & put 7 bbls acid into zone @ 1/2 BPM & 1400 psi.  
4574-80 broke @ 1600# & put 14 bbls acid into zone @ 7/10 BPM & 1600 psi.  
Fish ICV valve & dart. Could not get pkr to reset @ 4514'. POH w/ PPI tools & TIH w/ Model "R" pkr to 4514' & set there. 112 BLWTR. Rig up to swab. IFL @ 1200'. Swab well 2 1/2 hrs, rec 43 BLW w/ 10% oil cut. FFL @ 3600' FS. Secure well & SDON. Prep to resume swab testing in am. 69 BLWTR.  
DWC: \$9,255 CWC: \$151,105
- 06-12: 11 hr SITP 70 psi. Bleed off pressure & rig up swab. IFL @ 2800' FS. First run had 500' of free oil on top. Swb well 9 1/2 hrs, rec 72 bbls fluid w/ final oil cut of 7%. Total fluid recovered from P-4 115 bbls. FFL @ 3900' FS w/ 6-7 bbls per hr of fluid entry. Secure well & SDON @ 4:30 pm MST. Prep to swab in am.  
DWC: \$2,650 CWC: \$153,755
- 06-13: 14 hr SITP 20 psi. Bleed off pressure & rig up swab. IFL @ 2800' FS. First run averaged 10% -15% oil cut. Made 3 runs in 1 hr, rec 11 bbls fluid w/ 7% - 10% oil cut. FFL @ 4000' FS. Total rec 126 bbls fluid. Rig down swab & unseat Model "R" pkr. Allow well to equalize. Secure well & SD. Prep to perf & test P-3 porosity in am.  
DWC: \$345 CWC: \$154,100
- 06-14: TOH w/ tbg & pkr. RU wireline co. to perf. Perf following intervals w/ 1 SPF using 4" hollow carrier csg gun: 4531 - 4538, 4543 - 4549, 4554 - 4558, 4561 - 4565. RD wireline. TIH w/ 5 1/2" RBP, 2 jts 2 7/8" tbg, 5 1/2" Model "R" pkr, SN, & 147 jts tbg. Set RBP @ 4570' KB. PU 5' to 4565'. Load hole w/ 2% KCl wtr & spot 250 gals 15% NEFE HCL. PU 3 jts. EOT @ 4470'. Pkr @ 4406'. Reverse circ 6 bbls into tbg. Set pkr w/ 15 pts compression. Commence breakdown of perfs 4531-4565. Formation taking fluid @ 775 psi @ 0.5 BPM. Displace acid into perfs + 2 bbls overflush. Bleed off pressure & open bypass on pkr. Pump 1000 gals 15% NEFE HCL down tbg, dropping 45 - 1.3 SG ball sealers staged 5 balls every 2.4 bbls of acid. Close bypass after all acid in tbg & commence pumping 28 bbls 2% KCl wtr flush. Increase rate to 1.6 BPM & ATP 2400 psi. Had good ball action, but did not ball out perfs. ISDP 2200 psi. 5 min SIP 986 psi. 10 min SIP 498 psi. 15 min SIP 230 psi. Rig down acid company & rig up to swab. 60 BLWTR. IFL 250' FS. Hr. No. 1 recovered 23 BLW &

Page 3  
EnerQuest Resources, LLC  
Samuel Cain No. 6  
1650' FSL & 2310' FWL  
Sec. 30, T-18-S, R-39-E  
Lea County, NM

### DAILY COMPLETION REPORT

1999

06-14: (Cont.) FL @ 2800' FS. Hr. No. 2 recovered 20 BLW & FL 3500' FS. Rec. total of 43 BLW w/5% oil cut during last 3 swab runs. 17 BLWTR. Secure well & SDON @ 6:45 pm CST. Prep to resume swab tesing in am.  
DWC: \$6,490 CWC: \$160,590

06-15: 14 hr SITP 80 psi. Rig up swab. IFL @ 2700' FS. Initial run had approx 300' free oil on top & 7%-10% oil cut thru rest of run. Swabbed well 6 hrs. Recovered 62 bbls fluid w/ approx 5% - 7% oil cut. Stable FL @ 3800' FS. Fluid entry est @ 6 BPH when swabbing from stable FL of 3800' FS. Recovered total of 105 bbls after acid job, 45 bbls over load volume. Decision made to place well on pump test. Unset Model "R" pkr & allow well to equalize. Go down hole & latch on to RBP & unset. TOH w/ tbg & tools. Start in hole w/production string. Secure well & SDON. Prep to finish running production string & commence pump test in am.  
DWC: \$3,190 CWC: \$163,780

06-16: RIH w/ production tubing string as follows:

- 1 - 2 7/8" Bull Plugged Mud Anchor @ 4594.60' KB
- 1 - 2 7/8" x 4' perf sub
- 1 - 2 7/8" SN @ 4558.50' KB
- 6 - joints 2 7/8" tbg
- 1 - 2 7/8" x 5 1/2" TAC @ 4369.27' KB
- 142 jts 2 7/8" tbg

NDBOP & set TAC w/17 points. NU tbg head & run rods & pump as follows:

- 1 - 1 1/4" x 10' gas anchor
- 1 - 2 1/2" x 1 1/2" x 16' pump
- 1 - 7/8" x 2' rod sub
- 1 - 7/8" x 26K shear tool
- 12 - 7/8" Grade "D" rods
- 53 - 3/4" Grade "D" rods
- 41 - 7/8" Grade "D" rods
- 49 - 1" fiberglass rods
- 2 - 1" x 9' fiberglass subs
- 2 - 1" x 6' fiberglass subs
- 1 - 7/8" x 4' steel sub
- 1 - 7/8" x 2' steel sub
- 1 - 1 1/4" x 22' polish rod w/ 12' liner.

Note: Rod string material transferred from Rocket Cain No. 1  
Load & test tbg to 500# ok. Plumb in flowline & start well pumping to tank btry  
@ 5:00 pm CST.

DWC: \$6,050 CWC: \$169,830

06-17: 18 1/2 hr pump test. 0 BO & 165 BW & 0 MCF. 2% oil cut @ wellhead.

06-18: 24 hr pump test. 13 BO & 160 BW & 32 MCF.

06-19: 24 hr pump test. 10 BO & 102 BW & 15 MCF.



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EnerQuest Resources, LLC  
Samuel Cain No. 6  
1650' FSL & 2310' FWL  
Sec. 30, T-18-S, R-39-E  
Lea County, NM

### **DAILY COMPLETION REPORT**

#### **1999**

- 06-20: 24 hr pump test. 13 BO & 96 BW & 11 MCF.
- 06-21: 24 hr pump test. 15 BO & 92 BW & 13 MCF.
- 06-22: 24 hr pump test. 12 BO & 91 BW & 10 MCF.
- 06-23: 24 hr pump test. 11 BO & 90 BW & 10 MCF. Well pumped off.
- 06-24: 24 hr pump test. 11 BO & 96 BW & 10 MCF. Drop from daily report. Will continue pump testing 2-3 weeks to evaluate for further remedial work.
- 07-08: Decision made to open "P-2" porosity & test. MIRUSU. LD horse head. Unseat pump & TOH w/rods & pump. NUBOP. Unseat TAC & TOH w/tubing. RU wireline. Perf interval 4505' - 4512' w/ 4" casing gun w/ 1 SPF (8 holes total). RD wireline. TIH w/ 5 1/2" Lok Set (RBP), 1 jt tailpipe, 5 1/2" Model "R" pkr, SN & 2 7/8" tbg to 4525' KB. Set RBP @ 4525'. PU to EOT @ 4442.57'. Secure well & SDON.  
DWC: \$4,535
- 07-09: SITP 20 psi. Bleed off pressure. Lower tbg string 1 stand, EOT @ 4512' KB. Load hole & break circ w/91 bbls 2% KCL wtr. Only obtaining about 75% returns. Switch to acid. Spot 500 gals 15 % NEFE HCL to EOT @ 4512'. Well on vacuum when acid on spot @ perfs 4505 - 4512. SD & pick up 1 stand to EOT @ 4442.57', pkr @ 4411.79'. Reverse 7 bbls down annulus. Well on vacuum. Set pkr w/ 14 points compression. Rig up on tbg. Pump away 500 gals acid w/ 24 bbls 2% KCL wtr. ATP 30 psi. SD & well on vacuum. Rig down acid co. RU swab. IFL 1500' FS. Est 90 BLWTR based on IFL. Swabbed well to SN after 3rd swab run. Made total of 9 swab runs. FFL 3900' FS. Fluid entry of 500' (2.9 bbls) every 30 minutes. Oil cut 2% - 5% w/show of formation gas. Rec est 34 BLW & 56 BLWTR. Decision made to put well on pump test to recover remainder of load due to relatively slow entry of fluid. Open bypass on pkr & allow well to equalize. Drop down & latch on to RBP @ 4525'. Release RBP & TOH w/tools & tubing. TIH w/ tubing string as detailed on 6-16-99 report. NDBOP & set TAC. Secure well & SDON. Prep to run pump & rods in am.  
DWC: \$3,075
- 07-10: Run pump & rod string as detailed in 6-16-99 report. Load & test tubing to 500 psi ok. Release well service unit. Commence pumping to battery @ 11:15 am CST.  
DWC: \$1,080

**ENERQUEST RESOURCES, LLC**

**DAILY DRILLING REPORT**

Well Name: Samuel Cain No. 6

Operator: EnerQuest Resources, LLC

Location: 1,650' FSL & 2,310' FWL  
Sec. 30, T-18-S, R-39-E  
Lea County, NM

Projected TD: 4,650'

Elevation: 3,603' GL  
3,612' KB

Contractor: CapStar Drilling  
Rig No. 8

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**1999**

05-06: Complete location construction. Anticipate spudding well on or about 5-29-99.  
DWC: \$7,050 CWC: \$7,050

05-27: Plastic line reserve pits & commence filling pits w/water.  
DWC: \$1,550 CWC: \$8,600

05-28: Commence MIRU CapStar Rig No. 8. Will spud well afternoon of 05-28.

05-29: Drlg @ 1,163' in red beds, made 1,163' in 12 1/2 hrs. WOB 20/45M. Rotary RPM 85. Dev 3/4 deg @ 511'. 1/2 deg @ 1,111'. Mud Wt. 8.8, Vis 30, pH 8. Bit No. 1: 12 1/4" Varel Type 527C, Jets 3-13, in @ 0', has made 1163' in 12 1/2 hrs. MIRU 10 1/2 hrs, Drlg 12 1/2 hrs, Survey 1 hr. REMARKS: Spud 12 1/4" hole @ 3:30 pm CST 5-28-99.  
DWC: \$9,950 CWC: \$18,550

05-30: TOH to run surf csg @ 1,918' in anhy, made 755' in 19 1/2 hrs. WOB 20/45M. Rotary RPM 85. Dev 3/4 deg @ 1500', 3/4 deg @ 1918'. Mud Wt. 9.7, Vis 33, pH 8. Bit No. 1 in @ 0', out @ 1918', made 1918' in 32 hrs. Drlg 19 1/2 hrs, TOH 3 hrs, Survey 1/2 hr, Circ 1 hr.  
DWC: \$7,010 CWC: \$25,560

05-31: Drlg @ 2,212' in anhy, made 294' in 5 1/2 hrs. WOB 20/45M. Rotary RPM 70/75. Mud Wt. 10, Vis 29, pH 9. Bit No. 2: 7 7/8", Varel ETD37, in @ 1918', has made 294' in 5 1/2 hrs. Drlg 5 1/2 hrs, Circ 1/2 hr, Trip 2 1/2 hrs, Run Csg 4 hrs, Cmt 1 1/2 hrs, WOC 4 hrs, Cut Off & Weld on Head 1 hr, NUBOP 3 hrs; Test BOP 1 hr, Drlg Cmt & Plug 1 hr. REMARKS: RIH w/ 44 jts of new 8 5/8" 24 lb/ft J-55 ST&C csg. Ran 1923.07' overall, set @ 1918' KB elev. Rig up Halliburton to cmt. Cmt csg w/ 580 sks Halliburton Light Premium Plus + 0.25 lb/sk flocele. Tail in w/ 245 sks Premium Plus + 2% CaCl2 + 0.25 lb/sk flocele. Plug down @ 11:00 am CST 5-30-99. Circ 122 sks cmt to pit.  
DWC: \$21,650 CWC: \$47,210

06-01: Drlg @ 3,319' in salt & anhy, made 1,107' in 22 1/2 hrs. WOB 20/45M. Rotary RPM 70. Dev 1 deg @ 2,400', Misrun @ 2,909', 1 1/4 deg @ 2,939'. Mud Wt. 10, Vis 29, pH 9+. Bit No. 2 has made 1,401' in 28 hrs. Drlg 22 1/2 hr, Survey 1 1/2 hr. REMARKS: Commenced mud logging @ 2,900'.  
DWC: \$9,380 CWC: \$56,590

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EnerQuest Resources, LLC

Samuel Cain No. 6

1,650' FSL & 2,310' FWL

Sec. 30, T-18-S, R-39E

Lea County, NM

### DAILY DRILLING REPORT

1999

- 06-02: Drlg @ 3,904' in salt, anhy & dol, made 585' in 23 1/2 hrs. WOB 45M. Rotary RPM 60/70. Dev 1 1/2 deg @ 3439'. Mud Wt. 10, Vis 29, pH 9. Bit No. 2 has made 1986' in 51 1/2 hrs. Drlg 23 1/2 hrs, Survey 1/2 hr.  
DWC: \$5,745 CWC: \$62,335
- 06-03: Drlg @ 4,253' in anhy & dol, made 349' in 23 hrs. WOB 18/45M. Rotary RPM 60. Dev 2 1/2 deg @ 3931', 3/4 deg @ 4054'. Mud Wt. 10, Vis 29, pH 9. Bit No. 2 has made 2,335' in 74 1/2 hrs. Drlg 23 hrs, Survey 1 hr.  
DWC: \$3,905 CWC: \$66,240
- 06-04: Logging @ 4,625' in dol, made 372' in 18 hrs. WOB 45M. Rotary RPM 60. Dev 1 deg @ 4,625'. Mud Wt. 10, Vis 31, WL 12, pH 9. Bit No. 2, in @ 1918', out @ 4625', made 2707' in 92 1/2 hrs. Drlg 18 hrs, Circ 2 1/2 hrs, TOH 3 1/2 hrs.  
DWC: \$3,985 CWC: \$70,225
- 06-05: Final Report @ 4625' TD. Logging 4 hrs, Run Csg 4 hrs, Cmt 2 1/2 hrs, WOC & NDBOP & Set Slips 3 hrs, Cut Off Csg 1 hr. REMARKS: RIH w/new 5 1/2" 15.50# LT&C csg as follows: 5 1/2" float shoe, 1 - 41.23' shoe jt, 5 1/2" float collar, 113 jts 5 1/2" csg. Ran total of 114 jts 5 1/2" csg, 4647.42' overall, set @ 4625' KB elev. Bottom 4 jts csg have been "rough coated". Centralized bottom 12 jts csg. Rig up Halliburton to cmt. Circ 3/4 hr. Precede cmt w/20 bbl fresh wtr spacer, 500 gals Superflush 102 & 20 bbl fresh water spacer. Cmt w/285 sks Halliburton Light Premium Plus + 5 lb/sk salt + 0.25 lb/sk flocele. Tail in w/300 sks Premium Plus 50/50 Pozmix "A" + 2% gel + 5 lb/sk salt + 0.6% Halad 322 + 0.25 lb/sk flocele. Had full returns thru job. Bumped plug @ 7:30 pm CST 6-04-99. Floats held ok. Release CapStar Rig No. 8 @ 12:00 am 6-05-99.  
FINAL DRILLING REPORT.  
DWC: \$34,320 CWC: \$104,545