

ILLINOIS STATE GEOLOGICAL SURVEY

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WATERFLOOD PROJECT

SAMPLE TOP from Company

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Cypress Middle, show of oil	2580	2587
Total Depth:		2587

Date Drilling Began: 5/10/2003

Casing 10 3/4" - 91' , cemented with 150 sacks
7" - 2580' , cemented with 515 sacks

I.P. 31 bbls. of oil, no water per day, pumping from the Cypress (2580'-2587')

Drilling Time Log filed.

[Imaged Log viewing help: New users please read this.](#)

GET FILE	Density Log
GET FILE	Induction Electric Log
GET FILE	Density Log LAS File
GET FILE	Induction Electric Log LAS File
GET FILE	Scanned Documents
GET FILE	Scanned Drilling Time Log
GET FILE	Scout Check Ticket

Permit Date: 4/8/2003 **Permit #:** 55967 **Reference #:** 208573

COMPANY	Elysium Energy, L.L.C.	
FARM	Coen, John O.	NO. 88
DATE DRILLED	May 24, 2003	COUNTY NO. 25962
AUTHORITY	Company	
ELEVATION	491' GL - Permit	
LOCATION	400'N line, 50'W line of NE SE	
COUNTY	Richland	API# 1215925962 00 4-3N-9E

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DEEPENING OPERATION

ELECTRIC LOG TOPS from Company

	<u>Top</u>	<u>Bottom</u>
Renault Lower	2861	2865
Ste Genevieve	2909	
McClosky, show of oil	2949	2958
McClosky, show of oil	2982	2999
St Louis	3063	
St Louis, show of oil	3075	3077
St Louis, show of oil	3123	3131
St Louis, show of oil	3153	3161
St Louis, show of oil	3177	3193
Total Depth:		3260

Plugged Back Total Depth: 3252

Date Drilling Began: 5/7/2008

Casing 4 1/2" - 2560' , cemented with 100 sacks
 4" - 3257' , cemented with 1800 sacks
 10 3/4" - 91' , cemented with 150 sacks
 7" - 2580' , cemented with 515 sacks

Perforated: 3124' - 3131', shots not reported
 3154' - 3160', shots not reported
 3178' - 3188', shots not reported

Fractured: 3124' - 3188', 5,376 gallons gelled salt water with 8,000 lbs.
 20/40 sand

Temporarily abandoned

Compensated Densilog Neutron Gamma Ray filed.

Drilling Time Log filed.

Array Induction Gamma Ray Log filed.

Permit Date: 3/20/2008 **Permit #:** 59315 **Reference #:** 208573

COMPANY Noble Energy, Inc.

FARM Coen, John O.

NO. 88

DATE DRILLED May 11, 2008

COUNTY NO. 25962

AUTHORITY Company

ELEVATION 491' GL - Permit

LOCATION 400'N line, 50'W line of NE SE

COUNTY Richland

API# 1215925962 01

4-3N-9E

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GET FILE	Scanned Documents
GET FILE	Scanned Drilling Time Log
GET FILE	Scout Check Ticket

Permit Date: 3/20/2008 **Permit #:** 59315 **Reference #:** 208573

COMPANY	Noble Energy, Inc.	
FARM	Coen, John O.	NO. 88
DATE DRILLED	May 11, 2008	COUNTY NO. 25962
AUTHORITY	Company	
ELEVATION	491' GL - Permit	
LOCATION	400'N line, 50'W line of NE SE	
COUNTY	Richland	API# 1215925962 01 4-3N-9E

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WATER INPUT WELL CONVERSION

Total Depth: 3260

Plugged Back Total Depth: 3252

Date Drilling Began: 6/17/2008

Casing 10 3/4" - 91' , cemented with 150 sacks
 4 1/2" - 2560' , cemented with 280 sacks
 4" - 3257'
 7" - 2580' , cemented with 515 sacks

Tubing 2 3/8" - 3048' , set with AD-1 packer

Perforated: 3124' - 3131' , shots not reported

3154' - 3160' , shots not reported

3178' - 3188' , shots not reported

Fractured: 3124' - 3188' , 5,376 gallons gelled salt water with 8,000 lbs.
 20/40 sand

Completed as a water input well, injecting 500 bbls. of water per day at 2000 psi into the St Louis (3124'-3188').

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[GET FILE](#)

Scanned Documents

Permit Date: 6/18/2008 **Permit #:** 203061 **Reference #:** 208573

COMPANY Noble Energy, Inc.

FARM Coen, John O.

NO. 88

DATE DRILLED June 18, 2008

COUNTY NO. 25962

AUTHORITY Company

ELEVATION 491' GL - Permit

LOCATION 400'N line, 50'W line of NE SE

COUNTY Richland

API# 1215925962 02

4-3N-9E

Permit Date: 12/1/2016 **Permit #:** 65124 **Reference #:** 208573

COMPANY Citation Oil & Gas Corp.

FARM Coen, J. O.

NO. 88

DATE DRILLED

COUNTY NO. 25962

AUTHORITY

ELEVATION 491' GL - Permit

LOCATION 400'N line, 50'W line of NE SE

COUNTY Richland

API# 1215925962 03

4-3N-9E