



HESS OIL COMPANY
P.O. Box 1009
McPherson, KS 67460-1009

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: #1 Pamela
Location: Section 30-T17S-R22W
License Number: 15-135-25246
Spud Date: May 23, 2011
Surface Coordinates: E/2 NW/4
Region: Ness County, Kansas
Drilling Completed: May 31, 2011

Bottom Hole Coordinates:
Ground Elevation (ft): 2320
Logged Interval (ft): N.A.
Formation:
Type of Drilling Fluid: Andies Mud, INC.
K.B. Elevation (ft): 2325
Total Depth (ft): 4358

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

GEOLOGIST

Name: David A. Barker
Company:
Address: 212 N. Market, Suite 320
Wichita, Kansas 67202
(316) 259-4294, 2 Barker@sbcglobal.net

OPERATOR

Company: Hess Oil Company
Address: McPherson, KS 67460

Daily Status

05/23/11 Move in Mallard Drilling rig.
Spud at 4:40 PM, cut 221' @ 8:30 PM, CTCH, Ran 5 jts 8 5/8 X 20# X 214', set @ 221' with landing jt, Cement with 150 sacks Common, 2 % gel 3 % cc, Cement did circulate,
Plug down 10:30 PM by Quality ticket # 4919. Dev 1/2 degree @ 221'. DMC \$ 25, CMC \$ 25
05/24/11 WOC @ 6:30 AM.
05/25/11 Drilling ahead @ 1,812', DMC \$ 147, CMC \$ 172
05/26/11 Drilling ahead @ 2,665', DMC \$ 2,976, CMC \$ 3,148
05/27/11 Drilling ahead @ 3,147', DMC \$ 660, CMC \$ 3,808, Corrected elevation 2319.7 (2316.7 plus 3 ft of fill when location built) so new KB is 2,324.7ft rounded up to 2,325' KB
05/28/11 Drilling ahead @ 3,726', DMC \$ 1,566, CMC \$ 5,374, Displaced Mud @ 3,537'
05/29/11 Drilling ahead @ 4,114', DMC \$ 704, CMC \$ 6,078
05/30/11 Drilling ahead @ 4,280' (Will Circulate lower sands this afternoon)
DST #1 4,247' to 4,276', Times 30-45-30-45, 1st opening Weak Blow 1/8" to 1/2", 2nd opening surface blow to 1/4", Recovered 80 ft heavy Oil cut watery mud, 30% Oil, 20 % water, 50% Mud. Chlorides 12,000, Hydrostatic Pressure 2,082 - 1986, IFP 23-41, Bttm Hole Press Initial 633 Final 540, FFP 47-57, Bttm Hole Temp 119.
5/31/11 RTD 4,358', Plugging well
DST #2 4,298-4,358, Times 45-45-15-out, Initial Blow- surface blow to 1/8", NO Final Blow, Recovered 140 ft muddy water 55% water 45% mud, CHL 27,000, Bttm Hole Temp 115 degrees, Initial Hydrostatic 2,094 Final Hydrostatic 2,057 Initial Flow 34-78 Final Flow 82-95 Initial Shut in pressure 1,316 No Final Shut In Pressure
Decided not to log as this test covered the lower sands and Miss top.
1st plug @ 1,670' with 50 sx @ 6:40 AM, 2nd plug @ 870' with 80 sx, 3rd plug @ 250' with 50 sx, 4th plug @ 60' with 20 sx, Rat hole with 30 sx, Mouse hole with 20 sx, Plug Down @ 8:45 AM by Quality ticket number 4843. Plug orders by Ken Jehlik

Formation Pamela #1 (datum) Everhart B-1 Pomije #1 Wandelene

Anhydrite 1601+724+720+721+743
Base Anhy 1640+685+686+684+706
Heebner 3722-1397-1396-1398-1387
Toronto
Lansing 3760-1435-1438-1440-1430
Stark Shale
Base Ks City 4048-1723-1722-1729-1708
Marmaton
Pawnee 4144-1819-1818-1830-1806
Fort Scott 4232-1907-1910-1917-1899
Cherokee Shale 4252-1927-1928-1936-1917

Miss 4347-2022-2027-1998

RTD 4358-2033-2166

DST results

DST #1 4,247' to 4,276', Times 30-45-30-45, 1st opening Weak Blow 1/8" to 1/2", 2nd opening surface blow to 1/4", Recovered 80 ft heavy Oil cut watery mud, 30% Oil, 20 % water, 50% Mud. Chlorides 12,000, Hydrostatic Pressure 2,082 - 1986, IFP 23-41, Bttm Hole Press Initial 633 Final 540, FFP 47-57, Bttm Hole Temp 119.
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remarks

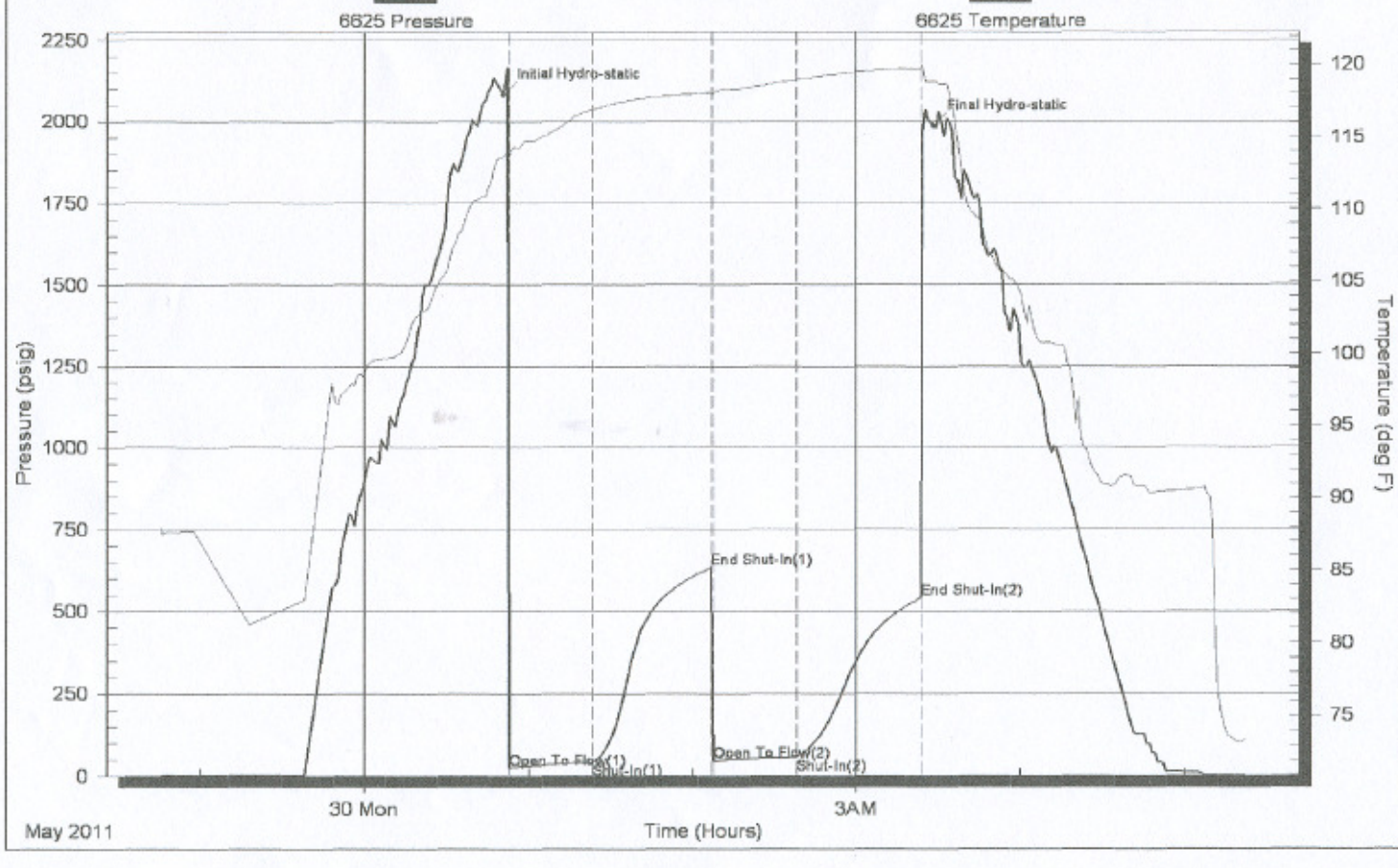
Due to the poor results of drill stem tests number one (1.) and two (2.) and the lack of other significant oil and gas shows, the decision to plug and abandon the #1 Pamela was made on 5/31/2011, Thank you, David A. Barker

Contractor

Mallard Drilling
2080 E. Kansas Ave.
McPherson, Kansas 67430

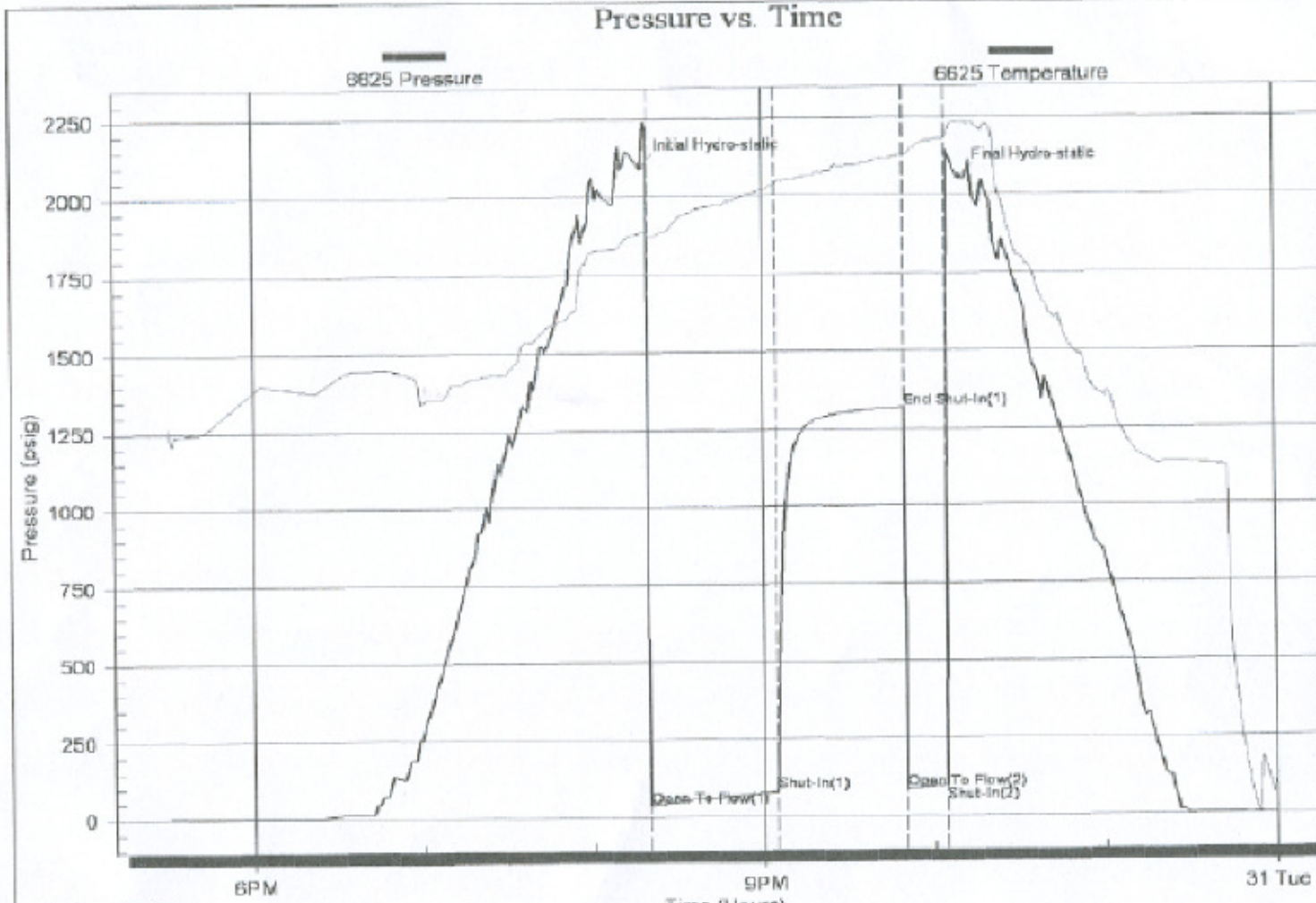
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Serial #: 6625 Inside Hess Oil Company Pamela #1 DST Test Number: 1



DST #2 4,298-4,358, Times 45-45-15-out, Initial Blow- surface blow to 1/8", NO Final Blow, Recovered 140 ft muddy water 55% water 45% mud, CHL 27,000, Bttm Hole Temp 115 degrees, Initial Hydrostatic 2,094 Final Hydrostatic 2,057 Initial Flow 34-78 Final Flow 82-95 Initial Shut in pressure 1,316 No Final Shut In Pressure

Serial #: 6625 Inside Hess Oil Company Pamela #1 DST Test Number: 2



ACCESSORIES

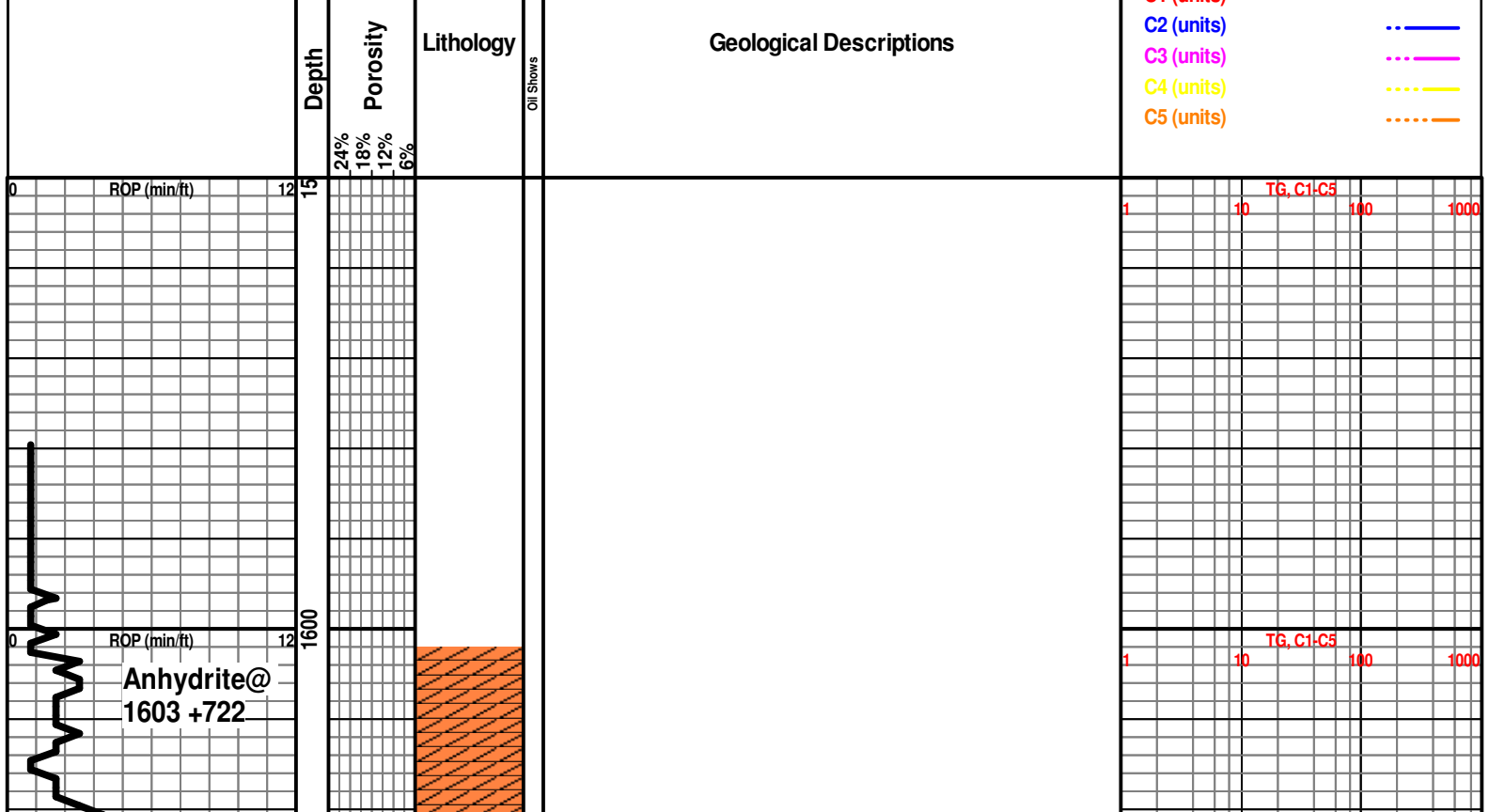
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|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
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| <input type="checkbox"/> Algae | <input type="checkbox"/> Plant | <input type="checkbox"/> Ferr | <input type="checkbox"/> Silt | <input type="checkbox"/> Sandylms |
| <input type="checkbox"/> Belm | <input type="checkbox"/> Strom | <input type="checkbox"/> Glau | <input type="checkbox"/> Siltgy | <input type="checkbox"/> Sh |
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| <input type="checkbox"/> Brach | <input type="checkbox"/> Oomold | <input type="checkbox"/> Hvymin | <input type="checkbox"/> Anhy | <input type="checkbox"/> Boundst |
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| <input type="checkbox"/> Cephal | <input type="checkbox"/> Arggrn | <input type="checkbox"/> Marl | <input type="checkbox"/> Bent | <input type="checkbox"/> Earthn |
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| <input type="checkbox"/> Echln | <input type="checkbox"/> Bit | <input type="checkbox"/> Phos | <input type="checkbox"/> Ls | <input type="checkbox"/> Finexln |
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| <input type="checkbox"/> Foram | <input type="checkbox"/> Calc | <input type="checkbox"/> Salt | <input type="checkbox"/> Siltstrg | <input type="checkbox"/> Lithogr |
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| <input type="checkbox"/> Oolite | <input type="checkbox"/> Chtlt | <input type="checkbox"/> Sil | <input type="checkbox"/> Clystn | <input type="checkbox"/> Packst |
| <input type="checkbox"/> Ostra | <input type="checkbox"/> Dol | <input type="checkbox"/> Sulphur | <input type="checkbox"/> Dol | <input type="checkbox"/> Wackest |
| <input type="checkbox"/> Pellet | <input type="checkbox"/> Feldspar | <input type="checkbox"/> Tuff | <input type="checkbox"/> Grysh | |
| <input type="checkbox"/> Pellet | | <input type="checkbox"/> Chlorite | <input type="checkbox"/> Gryst | |
| | | <input type="checkbox"/> Dol | | |

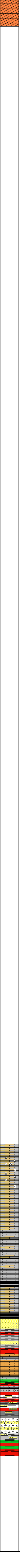
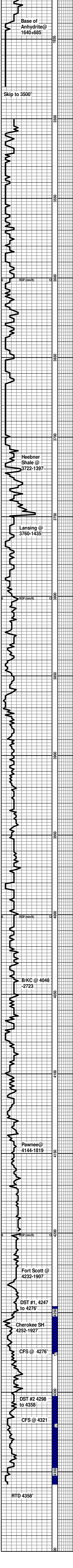
OTHER SYMBOLS

- | | | | | |
|--|------------------------------------|---|---|------------------------------------|
| <input type="checkbox"/> Core | <input type="checkbox"/> Fracture | <input type="checkbox"/> Ss | <input type="checkbox"/> Lmst brown | <input type="checkbox"/> ROUNDED |
| <input type="checkbox"/> Dst | <input type="checkbox"/> Inter | <input type="checkbox"/> Carb sh | <input type="checkbox"/> brown dolomite | <input type="checkbox"/> Rounded |
| <input type="checkbox"/> Dst | <input type="checkbox"/> Moldic | <input type="checkbox"/> Gry sh | <input type="checkbox"/> brown cream | <input type="checkbox"/> Subbrd |
| <input type="checkbox"/> EVENTS | <input type="checkbox"/> Organic | <input type="checkbox"/> Sandylms | <input type="checkbox"/> Lmst light cream | <input type="checkbox"/> Subang |
| <input type="checkbox"/> Rft | <input type="checkbox"/> Pinpoint | <input type="checkbox"/> Shale | <input type="checkbox"/> lms gray cream | <input type="checkbox"/> Angular |
| <input type="checkbox"/> Sidewall | <input type="checkbox"/> Vuggy | <input type="checkbox"/> Siltstn | <input type="checkbox"/> green dolomite | <input type="checkbox"/> OIL SHOWS |
| <input type="checkbox"/> Conn | <input type="checkbox"/> LITHOLOGY | <input type="checkbox"/> Shlyslts | <input type="checkbox"/> gray dolomite | <input type="checkbox"/> Even |
| <input type="checkbox"/> POROSITY TYPE | <input type="checkbox"/> Anhy | <input type="checkbox"/> Sltstn | <input type="checkbox"/> SORTING | <input type="checkbox"/> Spotted |
| <input type="checkbox"/> Earthy | <input type="checkbox"/> Cht | <input type="checkbox"/> Shlysh | <input type="checkbox"/> Well | <input type="checkbox"/> Ques |
| <input type="checkbox"/> Fenest | <input type="checkbox"/> Congl | <input type="checkbox"/> Lms | <input type="checkbox"/> Moderate | <input type="checkbox"/> Dead |
| | <input type="checkbox"/> Shale | <input type="checkbox"/> Lmst cream | <input type="checkbox"/> Poor | <input type="checkbox"/> Gas show |
| | <input type="checkbox"/> Shgy | <input type="checkbox"/> Shale red | | |
| | | <input type="checkbox"/> blue green siltstn | | |
| | | <input type="checkbox"/> green shale | | |

ROCK TYPES

- | | | | | |
|--------------------------------|-----------------------------------|-----------------------------------|---|---|
| <input type="checkbox"/> Anhy | <input type="checkbox"/> Ss | <input type="checkbox"/> Siltstn | <input type="checkbox"/> Shale red | <input type="checkbox"/> brown cream |
| <input type="checkbox"/> Cht | <input type="checkbox"/> Carb sh | <input type="checkbox"/> Shlyslts | <input type="checkbox"/> blue green shale | <input type="checkbox"/> Lmst light cream |
| <input type="checkbox"/> Congl | <input type="checkbox"/> Gry sh | <input type="checkbox"/> Sltstn | <input type="checkbox"/> green shale | <input type="checkbox"/> Lms gray cream |
| <input type="checkbox"/> Shale | <input type="checkbox"/> Sandylms | <input type="checkbox"/> Shlysh | <input type="checkbox"/> Lmst brown | <input type="checkbox"/> green dolomite |
| <input type="checkbox"/> Shgy | <input type="checkbox"/> Shale | <input type="checkbox"/> Lms | <input type="checkbox"/> brown dolomite | <input type="checkbox"/> gray dolomite |





LS: cream, microxyln, poor interxyln

LS: white, chalky, Shale: varied colored LS: gray, microxyln, dense,

LS: gray to tan, microxyln, very dense, no visible porosity, friable in part, Shale: gray to red

LS: cream to buff and light gray, microxyln, very dense, no visible porosity, dense mud stone, Chert: orange, modeled, sharp, fresh

LS: gray, microxyln, very dense, LS: cream, finexyln, friable to poor interxyln porosity.

LS: light gray to gray to light brown, some tan, microxyln, very dense. no visible porosity.

LS: gray, microxyln, very dense, no visible porosity, gray mudstone.

Shale: black, carboniferous, massive, LS: gray, microxyln, dense, no visible porosity.

LS: cream to light gray, microxyln, dense, no visible porosity

no odor from sample, SD.STN. brown, gray/red, very fine grained, calcareous, dolomitic in part, no fluorescence, random gas bub. small amount of SD. STN. fine graind, clear grained, lightly cemented, one piece broke fair show of free very dark brown oil, no fluorescence, no odor when broken. Shale: red sticky,

LS: cream to bone white, finexyln, friable, Shale: red to gray

Shale: red, SD. STN: fine grain, calcareous, friable, no show, Shale: green,

LS: waxey light emerald green, microxyln, very dense, Shale: pinkish gray, with very fine grain round quartz grains, no show

Chert: varied colored, semi clear to clear, sharp, fresh, sct yellow pcs, no show no odor from sample, Shale red to gray/green,

varied colored shale, modeled red and green, Shale: light gray, with fine grain rounded quartz grains,

