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CHEYENNE, WYOMING

WELL NAME: Gaddis-Rosencrance
LEASE: Gaddis
WELL NO.: 1
LOCATION: 330' FSL & 330' FWL
SEC. 24 TWP. 12N RGE. 42W
COUNTY: Banner STATE: Nebr.
ELEVATION: KB 4244' DF 4243' GR 4234'
CONTRACTOR: Gaddis Drlg. Co.
SPUD: 8-15-84 COMP: 8-24-84
TOTAL DEPTH: Driller 4850' Logger 4852'
CASING: 8 5/8" @ 221' w/ 150 sx
PRODUCTION: D&A
FIELD: Wildcat
PURPOSE OF WELL: Wildcat
STATUS OF WELL: D&A
FORMATION TESTED: Dakota, J Zone, Lakota
METHOD: DST
SAMPLES SAVED FROM: 3700' to TD
DRILLING TIME AND SAMPLE LOG
GEOLOGICAL SUPERVISION FROM 3700' TO TD

DRILLING CONTRACTOR: Gaddis Drilling Co.
RIG NO.: 1
RIG TYPE: Cable Tool
POWER: Gas Engines
MUD: Fresh Water
BIT SIZE: 7 7/8"
CORE HOLE: None
DEVIATION SURVEYS: None
DRILL STEM TESTS: 3
SAMPLES: Washed, Dried, Bagged
CORES: None
CORE ANALYSIS: None
LOGS RUN: None
OTHER SURVEYS: None
REMARKS: Dry & Abandoned

DST # 1 ZONE: J & K 1st Zone
INTERVAL: 3795'-3855'

Pressures:	Time	Press.	RECOVERY
1. Initial Hydrostatic	____	1939 psi	Gas to Surface
2. Initial Flow: Start	0	74 psi	Gassy Mud
3. Initial Flow: End	30	122 psi	660' Gassy Mud
4. Initial Shut-in: End	60	1176 psi	660' Gassy Mud (Cut Mud)
5. Final Flow: Start	0	280 psi	330' Gassy Salt Water
6. Final Flow: End	60	405 psi	Gas Bubbling at Surface
7. Final Shut-in: End	90	1176 psi	1980' Slightly Salty Gassy Mud (Cut Mud)
8. Final Hydrostatic	____	1886 psi	Oil Show: Slight Scum of Oil on Mud
BHT: 102°F			Recovery: 1980' Mud, 330' Salt Water
Rw: ____			Note: Electromeasurements Failed

DST # 2 ZONE: Cheyenne Sandstone
INTERVAL: 4040'-4090'

Pressures:	Time	Press.	RECOVERY
1. Initial Hydrostatic	____	2020 psi	Gas to Surface
2. Initial Flow: Start	0	691 psi	Oil Indications
3. Initial Flow: End	30	822 psi	Gas at Surface
4. Initial Shut-in: End	60	1160 psi	Oil & Gas Cut Mud
5. Final Flow: Start	0	584 psi	Gas at Surface
6. Final Flow: End	30	783 psi	Oil Cut Mud
7. Final Shut-in: End	60	1160 psi	Slight Oil Indication
8. Final Hydrostatic	____	1999 psi	Recovery: Gas Cut Mud, Oil Cut Mud, Salt Water
BHT: 104°F			
Rw: ____			

DST # 3 ZONE: Conglomerate Shale & Lime Shale
INTERVAL: 4085'-4120'

Pressures:	Time	Press.	RECOVERY
1. Initial Hydrostatic	____	2068 psi	Gas to Surface
2. Initial Flow: Start	0	17 psi	Salty Water (2,000 ppm)
3. Initial Flow: End	30	72 psi	Gas at Surface
4. Initial Shut-in: End	60	1192 psi	Rec: 2760' Water
5. Final Flow: Start	0	79 psi	Oil Cut Mud
6. Final Flow: End	60	138 psi	Gas Show
7. Final Shut-in: End	90	1134 psi	Note: Tool plugging with mud & salt. Flow restricted.
8. Final Hydrostatic	____	2035 psi	
BHT: 108°F			
Rw: ____			

DST # ____ ZONE: ____
INTERVAL: ____

Pressures:	Time	Press.	RECOVERY
1. Initial Hydrostatic	____	____ psi	
2. Initial Flow: Start	____	____ psi	
3. Initial Flow: End	____	____ psi	
4. Initial Shut-in: End	____	____ psi	
5. Final Flow: Start	____	____ psi	
6. Final Flow: End	____	____ psi	
7. Final Shut-in: End	____	____ psi	
8. Final Hydrostatic	____	____ psi	
BHT: ____			
Rw: ____			

DST # 1 — Mechanical Recorder Chart
Interval: 3795'-3855' — Depth: 3825'

DST # 2 — 3500# Chart
Interval: 4040'-90' — Depth: 4065'

DST # 3 — 3500# Chart
Interval: 4085'-4120' — Depth: 4084'

DST # ____ — ____ Chart
Interval: ____ — Depth: ____

ABBREVIATIONS USED

ROCK TYPES:
Ls = Limestone
Dol = Dolomite
Ss = Sandstone
Cht = Chert
Cgl = Conglomerate
Sh = Shale
Bent = Bentonite
Anh = Anhydrite
Gyp = Gypsum
Salt = Salt

COLORS:
Wh = White
Gy = Gray
Bk = Black
Br = Brown
Tn = Tan
Gn = Green
Red = Red
Pk = Pink
Clr = Clear

GRAINSIZE:
Vf = Very fine
Fn = Fine
Med = Medium
Crs = Coarse
Vc = Very coarse
Gran = Granular

POROSITY:
Vug = Vuggy
Intgran = Intergranular
Frac = Fracture
Intcrys = Intercrystalline
Mold = Moldic
Pp = Pinpoint

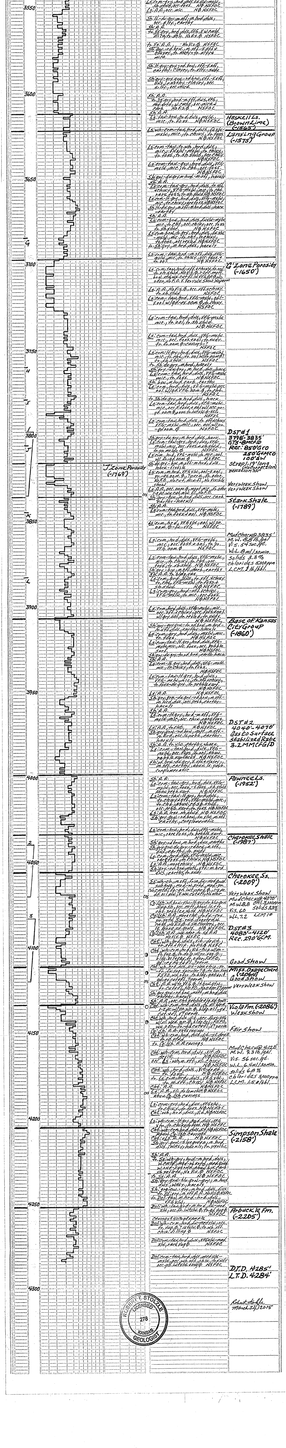
FOSSIL RESTS:
Fr = Fragmental
Brach = Brachiopods
Bry = Bryozoa
Crin = Crinoids
Echin = Echinoderms
Fus = Fusulinids
Gast = Gastropods
Pel = Pelecypods
Amm = Ammonites
Ool = Oolites
Pis = Pisolites
Algal = Algal
Fos = Fossiliferous
Fos Frag = Fossil Fragmental
Calc = Calcareous
Arg = Argillaceous
Sil = Siliceous
Dol = Dolomitic
Anhy = Anhydritic
Carb = Carbonaceous
Pyr = Pyritic
Glauc = Glauconitic
Micac = Micaceous
Lith = Lithographic
Sucr = Sucrosic
Sil Ls = Siliceous Limestone
Dol Ls = Dolomitic Limestone
Arg Ls = Argillaceous Limestone
Calc Ss = Calcareous Sandstone
Arg Ss = Argillaceous Sandstone
Sil Ss = Siliceous Sandstone
Dol Ss = Dolomitic Sandstone
Arg Sh = Argillaceous Shale
Sil Sh = Siliceous Shale
Dol Sh = Dolomitic Shale
Calc Sh = Calcareous Shale
Carb Sh = Carbonaceous Shale
Sil Cgl = Siliceous Conglomerate
Calc Cgl = Calcareous Conglomerate
Arg Cgl = Argillaceous Conglomerate

WOODFORD:
Sf = Soft
Hd = Hard
Ch = Chattish
Wx = Waxy
Sil = Siliceous
Sdy = Sandy
Slty = Silty
Calc = Calcareous
Dol = Dolomitic
Pyr = Pyritic
Carb = Carbonaceous
Micac = Micaceous
Glauc = Glauconitic
Fos = Fossiliferous
Arg = Argillaceous
Bent = Bentonitic
Anhy = Anhydritic
Gyp = Gypsum
Salt = Salt

WOOD RESTS:
Lig = Lignite
Coal = Coal
Carb = Carbonized
Sil = Silicified
Pyr = Pyritized
Agate = Agatized
Opal = Opalized
Jasp = Jasperized
Petrif = Petrified
Fos = Fossiliferous
Fr = Fragmental
Mold = Moldic
Intgran = Intergranular
Intcrys = Intercrystalline
Vug = Vuggy
Frac = Fracture
Pp = Pinpoint

WOOD SIZES:
Fr = Fragmental
Sm = Small
Med = Medium
Lg = Large
Vlg = Very Large
Gnt = Giant

OIL SHOWS:
0 = Non Oil Show
F = Fair Oil Show
G = Good Oil Show
E = Excellent Oil Show


Rate of penetration in minutes per foot
1 2 3 4 5 6 7 8 9 10
1100
1150
1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
1800
1850
1900
1950
2000
2050
2100
2150
2200
2250
2300
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2800
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3000
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3100
3150
3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700
3750
3800
3850
3900
3950
4000
4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
4550
4600
4650
4700
4750
4800
4850
Sand, Cht
Sand, Cht, Shale
Sand, Shale
Sand, Shale, Cht
Sand, Cht
Sand, Shale, Cht
Sand, Shale
Sand, Shale, Cht
Sand, Shale
Sand, Shale, Cht
Sand, Shale