Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: NM-03153

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

8. FARM OR LEASE NAME: O.H. Randel

2. NAME OF OPERATOR: Energy Reserves Group, Inc.

9. WELL NO.: 7

3. ADDRESS OF OPERATOR: P.O. Box 3280 - Casper, Wyoming 82602

10. FIELD AND POOL, OR WILDCAT: Basin Dakota

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface 1,150' FNL & 1,150' FWL (NW/NW)
At top prod. interval reported below
At total depth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 15-T26N-R11W

RECEIVED
APR 06 1981
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR PARISH: San Juan | 13. STATE: New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
2-2-81	2-10-81	3-30-81	G.L. 6,320'; K.B. 6,332'	----------

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6,285' KB	6,265' KB	NA	→	0-6,285'	----------

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Dakota - 6,204' - 6,238' KB

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induction Laterlog, Compensated Density & Compensated Neutron Log

27. WAS WELL CORED: NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	838' KB	12-1/4"	500 sx "B" + 2% $CaCl_2$ + 1/4# Celloflake/sx	-0-
4-1/2"	10.5#	6,288' KB	7-7/8"	See Back of Page	-0-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
None				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6,244' KB	None

31. PERFORATION RECORD (*Interval, size and number*)
6,204'-08'
6,212'-24'
6,228'-30'
6,232'-38'
1 JSPF (28 perforations)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6,204'-6,238' KB	Broke down perfs w/1000 gal 7½% MCA acid + additives + 30 ball sealers. Frac'd w/60,000 gal 70% Quality Foam w/62,500# 20-40 sand

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
		SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-30-81	24	7/16"		5	1076	0	215,200

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
225	300		5	1076	0	50

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)
VENTED DURING TEST

TEST WITNESSED BY: T.C. [illegible]

ACCEPTED FOR RECORD
APR 10 1981
FARMINGTON DISTRICT

35. LIST OF ATTACHMENTS
SAMPLE DESCRIPTION

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED [signature] TITLE Prod. Engr - RMD DATE 4-01-81

BY RB

*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOCC

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			Sample Description Attached Continued from front: 4-1/2" casing cementing - 1st stage - 200 sx 50-50 Pozmix w/1/4# Flocele/sx followed by 200 sx "B" w/10% Salt + 1/4# Flocele/sx. 2nd stage - 350 sx Light w/10# Gilsonite/sx followed by 600 sx 50-50 Pozmix w/12-1/2# Gilsonite/sx.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
LOG TOPS		
Ojo Alamo	625' (est.)	
Fruitland	1,414'	
Pictured Cliffs	1,682'	
Lewis	1,973'	
Chacra	2,523'	
Cliff House	3,174'	
Menefee	3,224'	
Point Lookout	4,096'	
Mancos	4,375'	
Gallup	5,200'	
Green Horn	6,047'	
Graneros	6,110'	
Dakota	6,165'	
TD Logger	6,288'	
TD Driller	6,286	

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

GPO 680-378

LOCATION

1150'FNL, 1150'FWL, Section 15, T26N, R11W

ELEVATION

6320'GL, 6333'KB, 6332'DF

CONTRACTOR

Bayless Drilling Co., Rig #5
Toolpusher: Mr. Guy Easley

SPUD AND COMPLETION DATA

Spud date: 2-02-81
Drillout date: 2-03-81
Date TD reached: 2-09-81 @ 9:00 A.M.
TD Logger: 6288', TD Driller: 6286'

CASING

8 5/8" @ 828'

ELECTRICAL SURVEYS

IES from 828' to 6288'
CNL-FDC from 823' to 6287'
Laser Log from 3400' to 6287'

FORMATION TOPS

Tertiary	Depth	KB Datum	Thickness
Nacimiento	Surface	6333	625
Ojo Alamo (est.)	625	5708	110
Cretaceous			
Kirtland (est.)	735	5598	679
Fruitland	1414	4919	268
Pictured Cliffs	1682	4651	291
Lewis	1973	4360	550
Chacra	2523	3810	651
Cliffhouse	3174	3159	50
Menefee	3224	3109	872
Point Lookout	4096	2237	279
Mancos	4375	1958	825
Gallup	5200	1133	315
Gallup Base	5515	818	177
Sanostee	5692	641	355
Greenhorn	6047	286	63
Graneros	6110	223	55
Dakota	6165	168	37
Dakota Pay	6202	131	42
Base Pay	6244	89	44
TD Logger	6288		
TD Driller	6286		

DEVIATION RECORD

No.	Degree	Depth
1	1°	2556
2	3/4°	5081
3	1°	6284

BIT RECORD

No.	Make	Size	Type	Depth Out	Footage	Hours Run
1	Reed	12 1/4	Y-3	845	845	8 1/2
2	STC	7 7/8	F-2	2556	1709	18 1/4
3	STC	7 7/8	F-2	5081	2525	47
4	STC	7 7/8	F-3	6284	1203	53 1/4

Total Rotating Hours: 127

DAILY DRILLING REPORT

2-02-81 Mud Properties: spud mud

2-03-81 Mud Properties: wt. 8.4, salt chlor 300 PPM
calc 200 PPM

2-04-81 Mud Properties: wt. 8.4, vis 28

2-05-81 Drlg. @ 2686', drlg. 23 3/4 hrs, serv. rig 1/4 hr.

Mud Properties: wt. 8.4, vis 28

2-06-81 Drlg. @ 4177', drlg. 20 1/2 hrs, circ. & survey 3/4 hr, TFB #4 2 1/2 hrs, serv. rig 1/4 hr.

Mud Properties: wt. 8.5, vis 28, w.l. 2.6, ck 2/32"

2-07-81 Drlg. @ 5081', drlg. 21 1/4 hrs, TFB #4 2 hrs, ream to bottom 1/2 hr, serv. rig 1/4 hr.

Mud Properties: wt. 8.8, vis 33, w.l. 8, ck 2/32"

2-08-81 Drlg. @ 5598-5760', drlg. 23 3/4 hrs, serv. rig and pumps 1/4 hr.

Mud Properties: wt. 9, vis 34, w.l. 8.4, ck 2/32"

2-09-81 Drlg. @ 6156', drlg. 8 1/4 hrs, lost circ. @ 6159' 3/4 circ. & cond. hole 2 hrs, short trip & survey 2 hrs, strap out for logs 3 hrs.

TD @ 6286' @ 9:00 A.M. 2-09-81

SAMPLE DESCRIPTION

800 - 10 60% Ss: wht, transp, m-cg, sbrnd, mst lse
40% Sh: med-dk gry, blky-plty, sl carb
10 - 20 60% Ss: wht-lt gry, transp-opaque, m-cg, sbrnd, lse
40% Sh: AA
20 - 30 50% Ss: AA
50% Sh: AA, w/grn and sl slty
Tr. Coal: blk, vit, ang, frm
30 - 40 10% Ss: AA, mstly lse
90% Sh: AA, w/incr. grn, slty
40 - 50 100% Sh: grn, sl slty, carb, frm
Tr. Ss: AA
50 - 60 60% Ss: grn, vfn-fg, sbrnd, glauc, carb, vy cly fld, sft,t
40% Sh: gry, blky, carb, frm
60 - 70 50% Ss: AA
50% Sh: AA
70 - 80 70% Ss: AA, w/sme wht, sl cly fld, sft
30% Sh: gry, blky, carb, frm
80 - 90 50% Ss: AA
50% Sh: AA
890 - 910 40% Ss: wht-grn, vfn-g, sbrnd, cly fld, glauc, sl ark, sft, N-S
60% Sh: AA
10 - 20 50% Ss: AA
50% Sh: AA
20 - 40 30% Ss: AA
60% Sh: AA
10% Clystn: wht, plty, smooth, vy sft
40 - 50 20% Ss: wht, lt gry-lt grn, vfn-g, sbrnd, glauc, carb, clay fld, frm
80% Sh: gry-brn, blky, vy slty, frm
950- 1300 N.S.
1300 - 10 20% Ss: gry, fg, sme glauc, carb, cly fld, frm, tite
80% Sh: gry, blky-plty, carb, frm
10 - 20 10% Ss: AA
90% Sh: lt gry-brn, blky-plty, carb, frm
20 - 30 20% Ss: wht-gry, fg, sbrnd, cly fld, carb, tite
80% Sh: AA, but all blky, no carb
30 - 40 40% Ss: AA
60% Sh: AA
40 - 50 30% Ss: AA
70% Sh: AA, blky-plty, carb, frm
1350 - 1400 100% Sh: tan-brn, blky-plty, carb, frm
1400 - 10 100% Sh: lt-dk gry, blky, carb, sft
10 - 20 20% Ss: wht, fg, sbrnd, carb, sl cly fld, sl calc, hard, t
60% Sh: dk brn, blky, vy carb, fissile, vy frm
20% Clystn: lt gry, blky, smooth, carb incl, sft
20 - 30 30% Ss: AA, w/incr. amt. of carb
50% Sh: AA
10% Clystn: AA
10% Coal: blk, vit, ang-blky, hard
30 - 40 10% Ss: wht-lt gry, mg, sbrnd, glauc, carb incl, vy sl cly fld, frm, sl calc, poss sl por
90% Sh: med gry, grn, blky, carb, frm
40 - 50 30% Ss: AA, w/incr. calc
70% Sh:AA, w/blky-plty

1450 - 60 40% Ss: gry, fg, sbrnd, sme carb incl, sl ark, vy sl cly fld, calc, hard, tite
60% Sh: lt-dk gry, blky, sl-vy carb, frm

60 - 70 30% Ss: AA, w/incr. carb
60% Sh: AA
10% Coal: blk, ang-blky, vit, hard

70 - 80 40% Ss: wht-gry, fg, sbrnd, carb incl, hard, calc, tite
30% Sh: AA
20% Clystn: AA
10% Coal: AA

80 - 90 10% Ss: AA
30% Sh: AA
20% Clystn: AA
40% Coal: AA

90 - 1500 40% Ss: AA, w/mg, frm
20% Sh: AA
20% Clystn: AA
20% Coal: AA

1500 - 1600 N.S.

1600 - 10 60% Ss: AA, w/glauc, sft
20% Clystn: med grn, plty, smooth, vy sft
20% Coal: blk, waxy, ang-blky, shly, frm

10 - 20 10% Ss: AA
70% Clystn: tan, lt grn, blky-plty, smooth, carb, vy sft
20% Coal: AA

20 - 30 90% Clystn: AA
10% Coal: AA

30 - 40 10% Ss: AA, w/o glauc, frm
60% Clystn: AA
30% Coal: AA

40 - 50 30% Sh: lt brn, blky-plty, carb incl, frm
70% Clystn: lt grn, blky-plty, smooth, carb incl, vy sft

50 - 60 50% Ss: wht, f-mg, sbrnd, glauc, carb, vy cly fld, sft,tite
20% Sh: AA
20% Clystn: AA
10% Coal: AA

60 - 70 70% Ss: AA
10% Sh: AA
10% Clystn: AA
10% Coal: AA

70 - 80 N.S.

80 - 90 70% Ss: AA
20% Clystn: AA
10% Coal : AA
Tr. Sh:AA, w/sme gry-grn

1690 - 1700 50% Sh: AA
50% Coal: AA

1700 - 10 30% Ss: gry, f-mg, sbrnd, carb incl, glauc, sl-mod cly flo hard, tite
30% Sh: lt brn, dk grn, blky-plty, carb incl, sme frm, mst sft
20% Clystn: lt grn, plty, vy sft
20% Coal: AA

10 - 20 10% Ss: AA
70% Sh: AA
10% Clystn: AA
10% Coal: blk, vit, ang-flinty, hard

1720 - 30	30% Ss: wht, f-mg, wl srtd, carb incl, cln-vy sl cly fld, fri, sl por.
	50% Sh: gry, blky, carb, frm
	20% Clystn: lt grn, plty, vy sft
30 - 40	60% Ss: AA
	40% Sh: AA
40 - 50	50% Ss: AA
	50% Sh: AA
50 - 60	70% Ss: wht-gry, fg, sbrnd, glauc, carb incl, sl-mod cly fld, brittle
	30% Sh: gry, blky-plty, carb, sft
60 - 70	60% Ss: AA, but sft
	30% Sh: AA
	10% Coal: blk, vit, ang-flinty, hard
70 - 80	60% Ss: AA
	30% Sh: AA
	10% Clystn: lt grn, plty, smooth, vy sft
	Tr. Coal: AA
80 - 90	50% Ss: AA
	30% Sh: AA
	20% Clystn: AA
1790 - 1800	60% Ss: lt gry, fg, sbrnd, glauc, carb incl, cly fld, sft, tite
	40% Sh: AA
1800 - 2500	N.S.
2500 - 10	70% Ss: wht, med gry, vfn-g, sbrnd, carb incl, brittle, tit
	30% Sh: med gry-dk brn, blky-plty, vy slty, frm
10 - 20	60% Ss: AA, w/sme clean-vy sl cly fld
	30% Sh: AA
	10%Clystn: lt grn, plty, vy sft
20 - 30	40% Ss: AA
	60% Sh: med gry-dk brn, grn, blky-plty, vy slty, carb incl, frm
30 - 40	30% Ss: AA, w/incr. carb
	60% Sh: AA
	10% Clystn: grn, plty, vy sft
40 - 50	50% Ss: wht, mg, sbrnd, carb, glauc, cln-v y sl cly fld, hard, mod calc, tite
	30% Sh: AA
	20% Clystn: wht, grn, blky-plty, vy sft
50 - 60	40% Ss: AA
	30% Sh: brn, blky-plty, carb incl, sl slty, frm-sft
	20% Clystn: AA
	10% Coal: blk, vit,ang-blky, hard
60 - 70	50% Ss: AA
	30% Sh: AA
	20% Clystn: AA
70 - 80	50% Ss: wht-gry, mg, sbrnd, carb incl, glauc, sl cly fld, hard, tite
	30% Sh: med brn, blky, carb, frm
	20% Clystn: lt grn, wht, blky-plty, smooth, vy sft
	Tr. Coal: blk, waxy, blky, shly, sft
80 - 90	30% Ss: AA, w/sme vy cly fld and sft
	50% Sh: brn-dk grn, blky-plty, slslty, carb incl, sft
	10% Clystn: AA
	10% Coal: AA

2590 - 2600 40% Ss: wht-lt gry, mg, sbrnd, carb incl, glauc, hard, mod calc, tite
30% Sh: AA
30% Clystn: AA

2600 - 3200 N.S.

3200 - 10 70% Sh: gry, grn, plty-blky, carb, sme frm, mstly sft
10% Clystn: wht-lt gry, plty, vy sft
20% Coal: blk, vit, ang, hard

10 - 20 70% Sh: AA, w/sme brn
30% Coal: AA
Tr. Ss: wht, mg, sbrnd, cln, hard, vy calc, tite

20 - 30 80% Sh: gry, grn, brn, plty-blky, carb incl, sme frm,mstly sft
20% Coal: AA

30 - 40 70% Sh: AA
10% Clystn: AA
20% Coal: AA

40 - 50 10% Ss: wht, mg, sbrnd, sl cly fld, glauc, carb, hard, tite
40% Sh: AA
20% Clystn: AA
30% Coal: AA

50 - 70 30% Sh:gry, plty- blky, sft
70% Coal: blk, vit, ang-blky, hard
Tr. Ss: wht, mg, sbrnd, carb, sl cly fld, frm, poss sl por.

70 - 80 10% Ss: wht, f-mg, sbrnd, carb, glauc, sl cly fld, frm, sl por
20% Sh: AA, w/mstly plty
70% Coal: AA

80 - 90 10% Ss: AA, but tite
5 0% Sh: brn, grn, slty, carb incl, sft
20% Clystn: grn, wht, plty, vy sft
20% Coal: AA

3290 - 3300 10% Ss: AA
80% Sh: AA
10% Clystn: AA

3300 - 4100 N.S.

4100 - 10 70% Sh: brn, gry, grn, slty, carb, plty-blky, sft
20% Coal: blk, vit, sbang, hard
10% Clystn: wht, plty, vy sft

10 - 20 80% Sh: AA
20% Clystn: AA

20 - 30 70% Sh: AA
20% Clystn: AA
10% Coal: AA

30 - 40 60% Sh: AA
30% Clystn: AA
10% Coal: AA
Tr. Ss: wht, mg, sbrnd, carb, glauc, sl ark, sl cly fld, hard, tite

40 - 50 90% Sh: AA
10% Clystn: wht, plty, sft

50 - 60 80% Sh: AA
10% Clystn: AA
10% Coal: blk, vit, ang, hard

60 - 70 90% Sh: AA
10% Clystn: AA
Tr. Coal: AA

70 - 80 80% Sh: AA
10% Clystn: AA
10% Coal: AA

4180 - 4200 70% Sh: AA
20% Clystn: AA
10% Coal: AA
Tr. Ss: gry, wht, mg, sbrnd-sbang, sl-mod cly fld, carb, glauc, fri-hard, poss sl por

4200 - 10 80% Sh: AA
20% Coal: AA
Tr. Clystn: AA

10 - 20 90% Sh: AA
10% Clystn: AA

20 - 50 80% Sh: AA
20% Coal: AA
Tr. Clystn: AA

6050 - 60 90% Sh: dk brn, plty-blky, sl slty
10% Clystn: grnsh gry, plty, waxy, sft

60 - 70 90% Sh: dk-med brn, plty-blky, sl-mod slty
10% Clystn: AA

70 - 80 100% Sh: AA, w/sme carb incl
Tr. Clystn: AA
Tr. Ss: med gry, f-mg, vy ark, sme carb, vy frm, tite, N-S

6080 - 6100 10% Ss: AA, w/vy few wht-lt gry, transp, m-cg, N-S
90% Sh: AA, w/sme med gry
Tr. Clystn: AA and Tr. Pyrite: yel, metallic, hard

6100 - 10 90% Sh: dk brn, blky-plty, sl slty, frm
10% Clystn: wht, vy lt grn, plty, sft, w/disseminated, resinous flakes

10 - 20 100% Sh: AA, w/sme vy slty

20 - 30 10% Ss: lt-dk brn, vfn-g, sbrnd-sbang, ark, sme carb incl, hard, brittle, tite, N-S
90% Sh: AA

30 - 40 80% Sh: brn, blky-plty, sl-mod slty, with sme cg, carb, frm
20% Clystn: wht, lt grn, plty, w/occ glauc & mica flakes

40 - 50 90% Sh: AA
10% Clystn: AA
Tr. Ss: tan-lt brn, fg, sl ark, carb, sbang-sbrnd, hard, tit
Tr. Pyrite: yel, metallic, drussy, hard

50 - 60 10% Ss: brn-smoky, vfn-g, sl ark, sme carb, sbrnd, vy well cemented, poss siliceous, hard, tite
70% Sh: AA, w/sme vy slty
20% Clystn: AA
Tr. Coal: blk, vit, splintery, hard

60 - 70 80% Sh: AA
20% Clystn: AA

70 - 80 100% Sh: gry, blky, sl-mod slty
Tr. Pyrite: AA, w/sand sized xls

6180 - 6200 20% Ss: brn, vfn-g, sbrnd, sl ark, sme carb incl, sl shly sft, tite, "dirty"
80% Sh: AA

6200 - 10 70% Ss: AA, w/cream, fg, clean, poss. silicified
30% Sh: AA

10 - 20 70% Ss: brn, vfn-g, sbrnd, sl ark, sme carb, hd, tite,"dir
20% Sh: AA
10% Clystn: AA

20 - 40 90% Ss: AA
10% Sh: AA
Tr. Clystn: AA

6240 - 50 80% Ss: brn, vfn-g, carb, sl ark, wht, transp, mg, sbrnd-sbang, occ glauc & carb frags, sme sl cly fld, mstly clean, hard, poss sl por, yel fluor w/vy wk cut
20% Sh: AA

50 - 60 80% Ss: wht, transp, mg, wl srtd, sme glauc, sme carb incl, clean, frm, poss sl por, show AA
20% Sh: AA

60 - 70 80% Ss: AA, w/sme smoky
20% Sh: AA

70 - 80 80% Ss: brn, vfn-g, sbrnd, sl ark, sme carb incl, hard
20% Sh: AA

80 - 84 20% Ss: AA
80% Sh: AA

30" circ. spl. 60% Ss: brn-rddish brn, fg, ark, carb, shly, dirty, hard, wht, transp, mg, sbang-sbrnd, wl srtd, occ glauc, vy clean, hard, poss sl por
30% Sh: AA
10% Clystn: wht, plty, sft, w/incl of pyrite(?)

60" circ. spl. 50% Ss: AA
40% Sh: AA
10% Clystn: AA, w/sme lt grn, plty, sft

90" circ. spl. 70% Ss: AA
20% Sh: AA
10% Clystn: AA

TD 6286'