1080 0003	(165) Item 5	
PROPERTY NAME: Lucky Chief	County: Lincoln	
OTHER NAMES: SOA Lode Claims		Chief Chief
MINERAL COMMODITY(IES): Mn, Ba, Pb?	AMS Sheet:	Caliente
TYPE OF DEPOSIT: Thrust fault (breccia zone), replacement vein	Quad Sheet:	Chief Mtn. 7 1/2'
ACCESSIBILITY:	Sec7	, т <u>3S</u> , _R <u>67E</u>
OWNERSHIP:	Coordinate (UTM):	
	North	4111714191910 m
PRODUCTION:	East	0171118151310 m
HISTORY:	Zone	+11
DEVELOPMENT: 1 vertical shaft & 1 N3OW trending adit are main we prospects & short adits are scattered along fault zone.	orkings. S	hallow trenches &
ACTIVITY AT TIME OF EXAMINATION: None, but property is staked.		
ACTIVITY AT TIME OF EXAMINATION,		
GEOLOGY: As with other mines in the district, the numerous sm	all working	s at this locality
lie along the northwest or east-west fault contact between	een younger	limestones & older
Prospect Mtn. quartzite. Sample location 121 is larges		
Quartzite beds at the portal of the adit are 6" - 1" in		
& dip 35°E. The rocks at the portal are highly breccia & bedding attitudes are probably not significant. Quar	ted & Fe-st	ained, however,
at portal are veined by Fe & white & grey calcite. Gos	sany brecci	computed with
calcite sampled from dump (Sample 121) contains lenses		
pyrolusite(?) & white barite crystals. The gossan is s		
stained jasper is common along the fault zone & in the	cossan. Ou	artzite wallrock
contains some oxidized pyrite & sericite.		
The fault zone exposed at lower portal is highly Fe &	Mn stained	. The best estimate
on the attitude of the zone as measured at the portal is	8 N80E, 15S	E, although line up
of workings indicate a northwest or north trend of the		
Upslope from sampled adit are shafts & short adits wh	ich explore	same highly Fe-stained
brecciated thrust zone. Clots of hematite, limonite & r fine-grained quartzite wallrocks. The fault zone is al	terd to clay	y & Fe & Mnoxs, but
below the trust the quartzite beds are fractured & high		
Most of the workings are in quartzites. Limestones of	itcrop sout	nwest of the workings.
According to Callaghan, lead carbonate ore was removed fault zone developed between the limestones & quartzites	rom a north	n or northwest-striking
REMARKS:Samples 121 - Dense, manganese & iron-rich gossan wi	th barite &	pyrolusite in
discrete crystals & veins.		
REFERENCES: Callaghan, 1936, Geology of the Chief district, Univeno.2.	rsity of Ne	vada Bull., v. 30,
XAMINER: Bentz/Smith	DATE VISITED:	8/17/83